

Anlage: Meßergebnisse des
Versuchskörpers SETMQ 2

Inhaltsübersicht:

A	Belastungsprotokoll
B	Rißbilder und -weiten
C	Dehnungen der Bewehrung (Tabellenform)
D	Dehnungen der Bewehrung (graphische Form)
E	Bügelspannungen
F	Betonranddehnungen (Tabellenform)
G	Betonranddehnungen (graphische Form)
H	Betonhauptdehnungen
I	Balkenverformungen
J	Betondehnungen im Querschnittsinnern

A

Belastungsprotokoll

SCHNITTGROESSEN

BEANSPRUCHUNG INFOLGE P (1. ZEILE) UND P+G (2. ZEILE)

BLATT 1

M/MU	III				VII		XV		XVII	
	T		M		Q		M		Q	
	KN*M		KN*M		KN		KN*M		KN*M	KN
0.167	0.000		75.000		50.000		97.000		0.000	
			93.960		58.320		121.700		-1.760	
0.333	0.000		150.000		100.000		194.000		0.000	
			168.960		108.320		218.700		-1.760	
0.500	0.000		225.000		150.000		291.000		0.000	
			243.960		158.320		315.700		-1.760	
0.583	0.000		262.500		175.000		339.500		0.000	
			281.460		183.320		364.200		-1.760	
0.583/ 1	0.000		262.500		175.000		339.500		0.000	
			281.460		183.320		364.200		-1.760	
0.667	0.000		300.000		200.000		388.000		0.000	
			318.960		208.320		412.700		-1.760	
0.708	0.000		318.750		212.500		412.250		0.000	
			337.710		220.820		436.950		-1.760	
0.750	0.000		337.500		225.000		436.500		0.000	
			356.460		233.320		461.200		-1.760	
0.792	0.000		356.250		237.500		460.750		0.000	
			375.210		245.820		485.450		-1.760	
0.833	0.000		375.000		250.000		485.000		0.000	
			393.960		258.320		509.700		-1.760	
0.875	0.000		393.750		262.500		509.250		0.000	
			412.710		270.820		533.950		-1.760	
0.917	0.000		412.500		275.000		533.500		0.000	
			431.460		283.320		558.200		-1.760	
0.958	0.000		431.250		287.500		557.750		0.000	
			450.210		295.820		582.450		-1.760	
1.000	0.000		450.000		300.000		582.000		0.000	
			468.960		308.320		606.700		-1.760	
1.000/ 1	25.000		450.000		300.000		582.000		0.000	
			468.960		308.320		606.700		-1.760	

SCHNITT NR.									
III				VII		XV		XVII	
M/MU	T	M	Q	M	Q	M	Q	M	Q
	KN*M	KN*M	KN	KN*M	KN	KN*M	KN	KN*M	KN
1.000/ 2	50.000	450.000 468.960	300.000 308.320	582.000 606.700	0.000 -1.760	432.000 430.080	-600.000 -617.600	450.000 448.380	600.000 604.320
0.833/ 1	50.000	375.000 393.960	250.000 258.320	485.000 509.700	0.000 -1.760	360.000 358.080	-500.000 -517.600	375.000 373.380	500.000 504.320
0.667/ 1	50.000	300.000 318.960	200.000 208.320	388.000 412.700	0.000 -1.760	288.000 286.080	-400.000 -417.600	300.000 298.380	400.000 404.320
0.667/ 2	75.000	300.000 318.960	200.000 208.320	388.000 412.700	0.000 -1.760	288.000 286.080	-400.000 -417.600	300.000 298.380	400.000 404.320
0.667/ 3	100.000	300.000 318.960	200.000 208.320	388.000 412.700	0.000 -1.760	288.000 286.080	-400.000 -417.600	300.000 298.380	400.000 404.320
0.000	0.000	0.000 18.960	0.000 8.320	0.000 24.700	0.000 -1.760	0.000 -1.920	0.000 -17.600	0.000 -1.620	0.000 4.320
**0.417	0.000	187.500 206.460	125.000 133.320	242.500 267.200	0.000 -1.760	180.000 178.080	-250.000 -267.600	187.500 185.880	250.000 254.320
* 0.103	0.000	46.500 65.460	31.000 39.320	60.140 84.840	0.000 -1.760	44.640 42.720	-62.000 -79.600	46.500 44.880	62.000 66.320
0.000/ 1	0.000	0.000 18.960	0.000 8.320	0.000 24.700	0.000 -1.760	0.000 -1.920	0.000 -17.600	0.000 -1.620	0.000 4.320
0.167/ 1	25.000	75.000 93.960	50.000 58.320	97.000 121.700	0.000 -1.760	72.000 70.080	-100.000 -117.600	75.000 73.380	100.000 104.320
0.333/ 1	50.000	150.000 168.960	100.000 108.320	194.000 218.700	0.000 -1.760	144.000 142.080	-200.000 -217.600	150.000 148.380	200.000 204.320
0.500/ 1	75.000	225.000 243.960	150.000 158.320	291.000 315.700	0.000 -1.760	216.000 214.080	-300.000 -317.600	225.000 223.380	300.000 304.320
0.667/ 4	100.000	300.000 318.960	200.000 208.320	388.000 412.700	0.000 -1.760	288.000 286.080	-400.000 -417.600	300.000 298.380	400.000 404.320
0.750/ 1	112.000	337.500 356.460	225.000 233.320	436.500 461.200	0.000 -1.760	324.000 322.080	-450.000 -467.600	337.500 335.880	450.000 454.320
0.833/ 2	125.000	375.000 393.960	250.000 258.320	485.000 509.700	0.000 -1.760	360.000 358.080	-500.000 -517.600	375.000 373.380	500.000 504.320
0.875/ 1	131.000	393.750 412.710	262.500 270.820	509.250 533.950	0.000 -1.760	378.000 376.080	-525.000 -542.600	393.750 392.130	525.000 529.320
0.917/ 1	137.000	412.500 431.460	275.000 283.320	533.500 558.200	0.000 -1.760	396.000 394.080	-550.000 -567.600	412.500 410.880	550.000 554.320

BEANSPRUCHUNG INFOLGE P (1. ZEILE) UND P+G (2. ZEILE)

BLATT 3

SCHNITT NR.									
III				VII		XV		XVII	
M/MU	T	M	Q	M	Q	M	Q	M	Q
	KN*M	KN*M	KN	KN*M	KN	KN*M	KN	KN*M	KN
0.958/ 1	143.000	431.250	287.500	557.750	0.000	414.000	-575.000	431.250	575.000
		450.210	295.820	582.450	-1.760	412.080	-592.600	429.630	579.320
1.000/ 3	150.000	450.000	300.000	582.000	0.000	432.000	-600.000	450.000	600.000
		468.960	308.320	606.700	-1.760	430.080	-617.600	448.380	604.320
1.000/ 4	162.000	450.000	300.000	582.000	0.000	432.000	-600.000	450.000	600.000
		468.960	308.320	606.700	-1.760	430.080	-617.600	448.380	604.320
1.000/ 5	175.000	450.000	300.000	582.000	0.000	432.000	-600.000	450.000	600.000
		468.960	308.320	606.700	-1.760	430.080	-617.600	448.380	604.320
1.000/ 6	175.000	450.000	300.000	582.000	0.000	432.000	-600.000	450.000	600.000
		468.960	308.320	606.700	-1.760	430.080	-617.600	448.380	604.320
1.000/ 7	175.000	450.000	300.000	582.000	0.000	432.000	-600.000	450.000	600.000
		468.960	308.320	606.700	-1.760	430.080	-617.600	448.380	604.320
1.000/ 8	187.000	450.000	300.000	582.000	0.000	432.000	-600.000	450.000	600.000
		468.960	308.320	606.700	-1.760	430.080	-617.600	448.380	604.320

** = OBERLAST DER DYNAMISCHEN BEANSPRUCHUNG

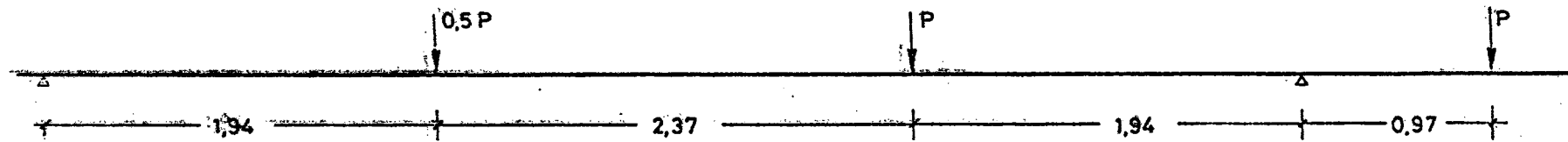
18500 LASTWECHSEL

* = UNTERLAST DER DYNAMISCHEN BEANSPRUCHUNG

B

Rißbilder und -weiten

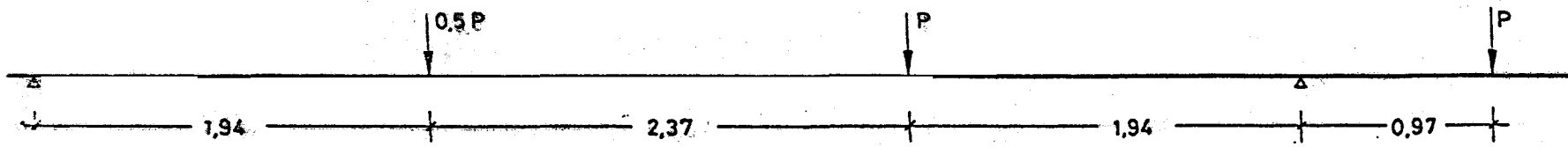
RISSENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 UNTEN



T
[kNm] M/Mu

																		0	0,708
																		0	0,792
																		0	0,833
																		0	0,916
																		0	1,000
																		50	1,000
																		100	0,667
																		75	0,500

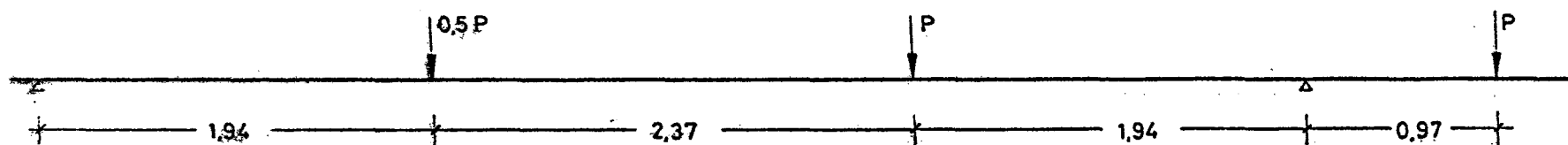
RISSENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 UNTEN



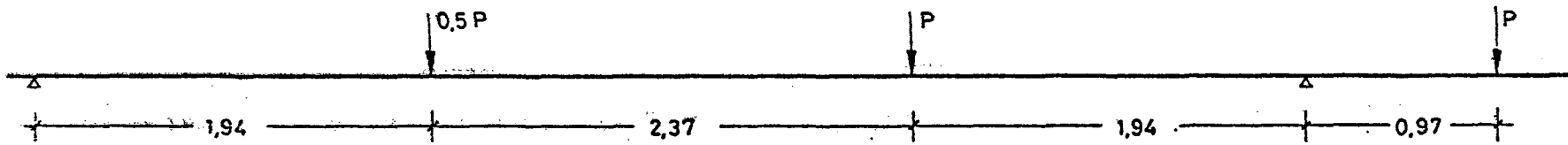
T
[kNm] M/Mu

												112,5	0,750
												131,3	0,875
												137,5	0,916
												143,8	0,958
												150,0	1,000
												162,5	1,000

RISENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 OBEN

[illegible]

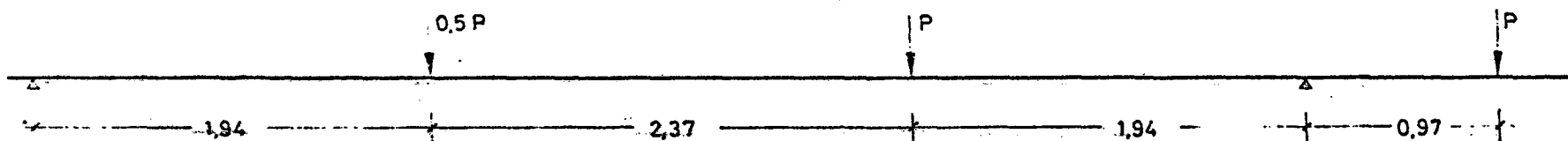
RISENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 OBEN



T
[kNm] M/Mu

[illegible]

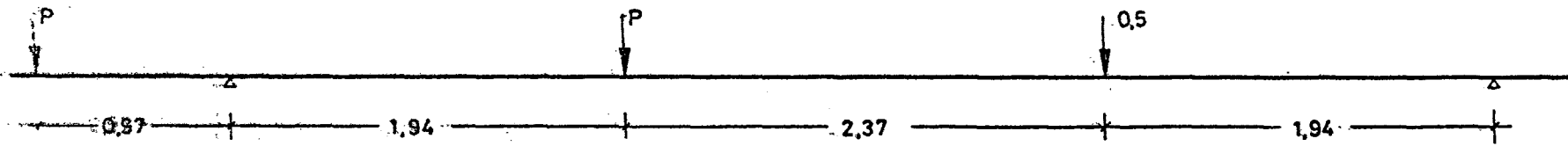
RISENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 OBEN



T
[kNm] M/Mu

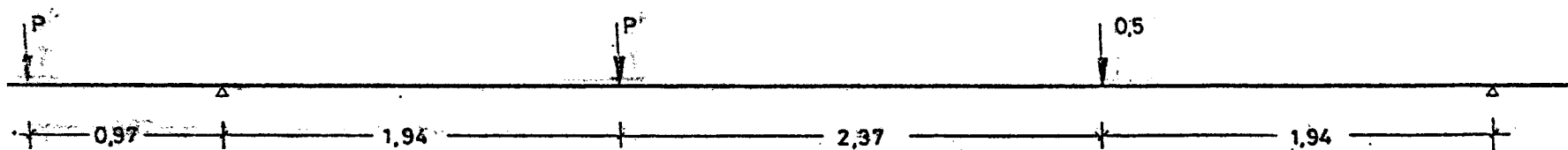
															0	0,708
															0	0,792
															0	0,833
															0	0,916
															0	1,000
															50	1,000
															100	0,667
															75	0,500

RISENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 HINTEN

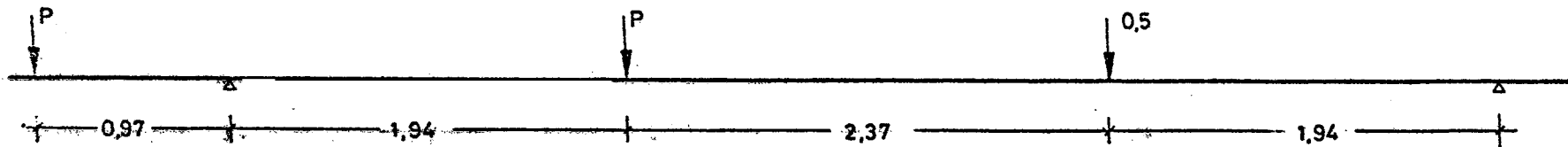


													T [kNm] M/Mu	
	/	/	/	/	/	/	/	/	/	/	/	/	112,5	0,75
	/	/	/	/	/	/	/	/	/	/	/	/	131,3	0,875
	/	/	/	/	/	/	/	/	/	/	/	/	137,5	0,916
	/	/	/	/	/	/	/	/	/	/	/	/	143,8	0,958
	/	/	/	/	/	/	/	/	/	/	/	/	150,0	1,000
	/	/	/	/	/	/	/	/	/	/	/	/	162,5	1,000

RISENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 HINTEN

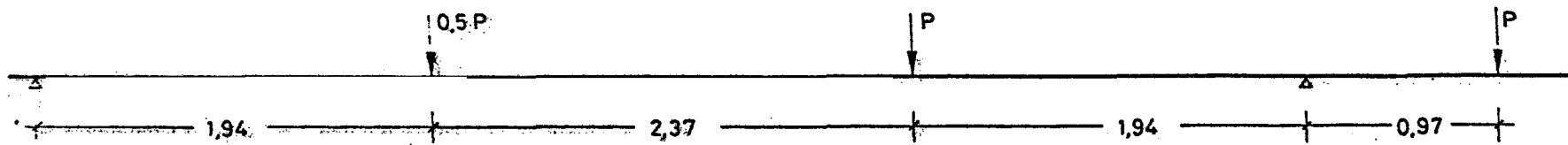
[illegible]

RISSENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 HINTEN



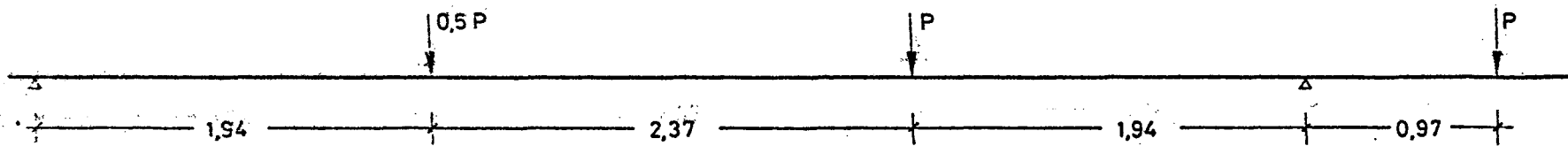
														T [kNm] M/Mu	
														0	0,708
														0	0,798
														0	0,833
														0	0,916
														0	1,000
														50	1,000
														100	0,667
														75	0,500

RISENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 VORN



													[kNm] M/Mu	
													125,0	0,833
													150,0	1,000
													156,25	1,042
													162,5	1,083
													150,0	1,000
													150,0	1,000

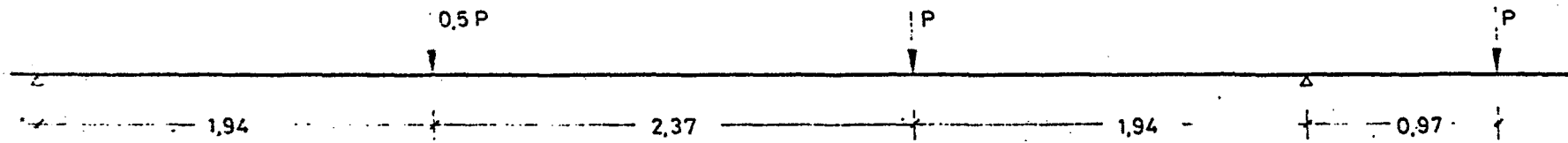
RISSENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 VORN



T
[kNm] M/Mu

	112,5	0,750
	131,3	0,875
	137,5	0,916
	143,8	0,958
	150,0	1,000
	162,5	1,000

RISSENTWICKLUNG DES VERSUCHSBALKENS SETMQ 2 VORN



														T [kNm] M/Mu
														0 0,708
														0 0,792
														0 0,833
														0 0,916
														0 1,000
														50 1,000
														100 0,667
														75 0,500

C

Dehnungen der Bewehrung
(Tabellenform)

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 1

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
23	3.842	3.844	3.844	3.848	3.852	3.850	3.884	3.852	3.844	3.842	3.840	3.833	3.829	3.825	3.814
26	2.806	2.808	2.778	2.749	2.747	2.747	2.614	2.585	2.618	2.654	2.686	2.722	2.736	2.762	2.776
27	2.757	2.760	2.726	2.694	2.690	2.686	2.549	2.524	2.560	2.595	2.629	2.665	2.682	2.707	2.724

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 1

BELASTUNGSGRAD M/MU

MESSTELLE 0,000 0,167 0,335 0,500 0,584 0,584 0,667 0,708 0,749 0,792 0,833 0,875 0,916 0,959 1,000

1

23	3.909	3.898	3.890	3.886	3.884	3.833	3.833	3.837	3.837	3.825	3.837	3.840	3.837	3.835	3.837
26	2.612	2.646	2.677	2.713	2.730	2.703	2.717	2.730	2.741	2.743	2.760	2.772	2.781	2.789	2.800
27	2.530	2.566	2.597	2.642	2.658	2.648	2.661	2.675	2.686	2.688	2.703	2.722	2.732	2.741	2.753

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 1

BELASTUNGSGRAD M/MU

MESSTELLE	0,916	0,959	1,000	1,000	1,000	1,000	0,000
	1	1	3	4	5	6	3

23	3,812	3,808	3,802	3,800	3,797	3,835	3,694
26	2,789	2,812	2,856	2,884	2,907	3,096	1,418
27	2,741	2,766	2,797	2,808	2,814	2,768	2,294

VERSUCHSBALKEN SETMG 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 2

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	-0.063	-0.044	-0.017	-0.004	0.002	-0.036	-0.006	-0.019	-0.002	0.004	0.008	0.012	0.016	0.025	0.040
4	-0.002	0.010	0.010	0.021	0.021	0.010	0.014	0.006	0.014	0.006	0.018	0.016	0.014	0.018	0.023
5	-0.006	0.002	0.004	0.016	0.016	0.010	0.014	0.006	0.012	0.008	0.018	0.014	0.016	0.021	0.023
6	0.035	0.040	0.033	0.042	0.040	0.040	0.042	0.033	0.040	0.035	0.048	0.046	0.050	0.058	0.065
7	0.018	0.021	0.012	0.014	0.010	0.004	0.002	-0.006	-0.002	-0.006	0.000	-0.002	-0.004	-0.002	0.000
8	0.052	0.040	0.025	0.018	0.012	0.010	0.008	-0.002	0.000	-0.006	-0.004	-0.011	-0.013	-0.015	-0.017
9	0.082	0.073	0.061	0.056	0.050	0.054	0.052	0.040	0.044	0.037	0.040	0.050	0.031	0.031	0.029
11	0.067	0.058	0.042	0.037	0.031	0.029	0.025	0.014	0.016	0.010	0.014	0.021	0.006	0.006	0.002
16	0.027	-0.017	-0.086	-0.152	-0.189	-0.242	-0.269	-0.291	-0.305	-0.331	-0.345	-0.364	-0.385	-0.404	-0.425
17	0.010	-0.029	-0.091	-0.154	-0.189	-0.234	-0.261	-0.284	-0.295	-0.320	-0.333	-0.356	-0.375	-0.394	-0.415
18	-0.615	-0.564	-0.526	-0.472	-0.448	-0.442	-0.415	-0.413	-0.396	-0.389	-0.368	-0.360	-0.345	-0.328	-0.314
19	-0.661	-0.598	-0.552	-0.482	-0.455	-0.446	-0.417	-0.404	-0.385	-0.379	-0.358	-0.347	-0.331	-0.314	-0.301
23	3.953	3.943	3.934	3.930	3.928	3.877	3.876	3.880	3.880	3.867	3.876	3.877	3.876	3.873	3.873
24	2.092	2.088	2.082	2.082	2.082	2.088	2.103	2.109	2.120	2.120	2.145	2.155	2.168	2.183	2.206
25	2.442	2.480	2.494	2.572	2.581	2.593	2.626	2.646	2.673	2.690	2.692	2.713	2.713	2.736	2.749
26	2.626	2.665	2.705	2.745	2.766	2.738	2.760	2.772	2.789	2.795	2.816	2.833	2.844	2.858	2.873
27	2.534	2.574	2.610	2.656	2.677	2.669	2.688	2.705	2.715	2.722	2.736	2.751	2.764	2.776	2.791

VERSUCHSBALKEN SEINQ2 GEBRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 2

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.875 1
2	0.035	0.027	0.025	0.016	0.016	0.018	0.008	-0.029	-0.023	0.002	0.014	0.008	0.014	0.027	0.040
4	0.023	0.023	0.018	0.012	0.014	0.012	0.006	-0.002	0.010	0.010	0.014	0.021	0.050	0.105	0.160
5	0.029	0.031	0.029	0.025	0.031	0.031	-0.006	-0.006	0.002	0.010	0.023	0.031	0.033	0.027	0.029
6	0.086	0.122	0.126	0.126	0.128	0.132	0.107	0.103	0.107	0.111	0.126	0.147	0.258	0.368	0.429
7	0.010	0.016	0.021	0.027	0.037	0.042	0.031	0.027	0.037	0.037	0.042	0.044	0.037	0.023	0.014
8	-0.019	-0.021	-0.013	-0.004	-0.004	-0.013	0.044	0.042	0.025	0.008	0.000	-0.011	0.000	0.025	0.065
9	0.033	0.037	0.042	0.050	0.056	0.056	0.080	0.080	0.073	0.065	0.063	0.058	0.052	0.037	0.033
11	0.000	-0.004	0.002	0.010	0.008	0.004	0.067	0.061	0.044	0.027	0.018	0.008	0.010	0.035	0.120
16	-0.429	-0.429	-0.381	-0.322	-0.316	-0.316	-0.055	-0.053	-0.105	-0.175	-0.232	-0.293	-0.318	-0.345	-0.360
17	-0.421	-0.427	-0.383	-0.326	-0.320	-0.322	-0.067	-0.059	-0.103	-0.168	-0.229	-0.291	-0.337	-0.389	-0.427
18	-0.309	-0.309	-0.352	-0.400	-0.398	-0.400	-0.596	-0.615	-0.568	-0.522	-0.472	-0.421	-0.385	-0.352	-0.320
19	-0.299	-0.286	-0.328	-0.373	-0.377	-0.383	-0.585	-0.613	-0.566	-0.509	-0.457	-0.406	-0.379	-0.349	-0.322
23	3.877	3.880	3.880	3.882	3.886	3.884	3.920	3.888	3.880	3.873	3.871	3.869	3.865	3.863	3.858
24	2.214	2.221	2.216	2.208	2.208	2.208	2.200	2.258	2.269	2.286	2.303	2.296	2.298	2.328	2.406
25	2.753	2.751	2.715	2.680	2.667	2.680	2.517	2.496	2.545	2.572	2.614	2.650	2.696	2.713	2.736
26	2.882	2.884	2.848	2.806	2.806	2.804	2.633	2.595	2.640	2.684	2.726	2.770	2.793	2.821	2.842
27	2.795	2.804	2.764	2.724	2.722	2.717	2.551	2.526	2.568	2.610	2.650	2.692	2.715	2.745	2.766

VERSUCHSBALKEN SETMG 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 2

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.952 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

2	0.031	0.046	0.046	0.084	0.187	0.513	0.202
4	0.185	0.233	0.261	0.347	0.412	0.612	0.200
5	0.031	0.035	0.037	0.035	0.040	0.374	0.132
6	0.477	0.509	0.555	0.652	0.720	0.913	0.286
7	0.012	0.021	0.025	0.033	0.042	0.284	0.166
8	0.103	0.330	0.429	0.532	0.631	0.960	0.328
9	0.025	0.025	0.033	0.046	0.058	0.258	0.191
11	0.189	0.267	0.416	0.513	0.576	0.835	0.421
16	-0.360	-0.354	-0.349	-0.328	-0.347	-0.488	-0.143
17	-0.459	-0.501	-0.558	-0.585	-0.632	-0.516	-0.099
18	-0.301	-0.221	-0.099	0.029	0.176	0.755	-0.324
19	-0.312	-0.282	-0.238	-0.221	-0.217	-0.375	-0.619
23	3.854	3.852	3.852	3.852	3.850	3.854	3.871
24	2.425	2.522	2.568	2.658	2.713	2.949	2.305
25	2.772	2.800	2.920	3.004	3.067	3.475	1.757
26	2.877	2.915	2.997	3.042	3.082	3.227	1.989
27	2.793	2.842	2.876	2.886	2.898	2.844	2.484

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 3

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	-0.055	-0.046	-0.042	-0.017	-0.006	-0.015	-0.002	0.000	0.002	0.000	0.008	0.008	0.012	0.018	0.021
4	-0.046	-0.029	-0.021	0.004	0.014	0.008	0.021	0.025	0.027	0.027	0.035	0.046	0.044	0.050	0.052
5	-0.034	-0.021	-0.013	0.010	0.021	0.004	0.016	0.018	0.029	0.018	0.033	0.035	0.040	0.044	0.050
6	0.010	0.016	0.014	0.031	0.037	0.029	0.023	0.023	0.027	0.023	0.031	0.031	0.037	0.044	0.046
7	-0.011	-0.004	-0.008	0.002	0.008	-0.006	-0.002	0.000	0.014	-0.008	0.000	0.000	0.000	0.002	0.006
8	0.021	0.021	0.008	0.012	0.014	0.000	0.000	0.000	0.010	-0.006	0.000	-0.004	-0.006	-0.006	-0.008
9	0.023	0.023	0.012	0.018	0.021	0.018	0.012	0.025	0.008	0.002	0.008	0.004	0.010	0.008	0.002
11	0.000	0.002	-0.004	0.000	0.002	-0.011	-0.013	-0.004	-0.015	-0.023	-0.015	-0.019	-0.017	-0.015	-0.006
16	-0.019	-0.042	-0.086	-0.093	-0.101	-0.105	-0.107	-0.118	-0.122	-0.133	-0.133	-0.139	-0.131	-0.135	-0.152
17	0.000	-0.008	-0.048	-0.072	-0.084	-0.105	-0.107	-0.124	-0.135	-0.149	-0.145	-0.154	-0.154	-0.162	-0.158
18	-0.171	-0.133	-0.105	-0.078	-0.061	-0.088	-0.057	-0.059	-0.057	-0.055	-0.040	-0.034	-0.025	-0.015	-0.002
19	-0.171	-0.133	-0.105	-0.078	-0.061	-0.088	-0.057	-0.059	-0.057	-0.055	-0.040	-0.034	-0.025	-0.015	-0.002
23	3.486	3.475	3.463	3.458	3.456	3.425	3.425	3.429	3.433	3.425	3.435	3.442	3.442	3.446	3.452
24	3.686	3.677	3.669	3.669	3.667	3.698	3.703	3.707	3.709	3.705	3.715	3.722	3.724	3.728	3.732
25	2.397	2.404	2.467	2.547	2.560	2.576	2.614	2.650	2.682	2.705	2.709	2.734	2.738	2.768	2.791
26	3.381	3.433	3.484	3.541	3.568	3.614	3.642	3.661	3.675	3.688	3.717	3.738	3.755	3.778	3.808
27	2.486	2.534	2.583	2.640	2.663	2.652	2.680	2.698	2.713	2.722	2.745	2.764	2.783	2.804	2.827

VERSUCHSBALKEN SETMO 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 3

BELASTUNGSGRAD M/MU

MESSTELLE 1.000 1.000 0.833 0.667 0.667 0.667 0.000 0.000 0.167 0.333 0.500 0.667 0.749 0.833 0.875
1 2 1 1 2 3 1 2 1 1 4 1 2 1

2	0.021	0.031	0.023	0.016	0.021	0.021	-0.008	-0.027	-0.029	-0.013	0.004	0.016	0.029	0.042	0.061
4	0.050	0.054	0.046	0.040	0.037	0.031	0.008	0.000	0.004	0.016	0.031	0.037	0.054	0.075	0.113
5	0.052	0.061	0.056	0.052	0.054	0.052	0.014	-0.008	-0.002	0.010	0.029	0.044	0.044	0.046	0.054
6	0.055	0.103	0.107	0.105	0.105	0.107	0.084	0.063	0.058	0.073	0.094	0.115	0.237	0.363	0.494
7	0.008	0.016	0.023	0.029	0.033	0.033	0.033	0.012	0.010	0.016	0.027	0.029	0.025	0.016	0.012
8	-0.011	-0.006	0.002	0.012	0.008	0.002	0.065	0.040	0.025	0.014	0.008	0.004	0.012	0.037	0.075
9	0.004	0.010	0.023	0.033	0.040	0.040	0.065	0.042	0.037	0.035	0.037	0.033	0.031	0.016	0.004
11	-0.004	0.000	0.008	0.010	0.014	0.018	0.037	0.018	0.012	0.008	0.012	0.029	0.018	0.025	0.040
16	-0.149	-0.143	-0.112	-0.076	-0.076	-0.080	0.048	0.025	-0.002	-0.036	-0.059	-0.082	-0.099	-0.118	-0.118
17	-0.152	-0.171	-0.109	-0.082	-0.080	-0.080	0.061	0.063	0.046	-0.006	-0.046	-0.084	-0.101	-0.139	-0.150
18	0.000	-0.008	-0.023	-0.061	-0.059	-0.059	-0.166	-0.166	-0.135	-0.116	-0.088	-0.061	-0.038	-0.034	-0.025
19	0.000	-0.008	-0.023	-0.061	-0.059	-0.059	-0.166	-0.166	-0.135	-0.116	-0.088	-0.061	-0.038	-0.034	-0.025
23	3.456	3.458	3.456	3.454	3.461	3.463	3.490	3.480	3.475	3.477	3.480	3.475	3.477	3.482	3.484
24	3.732	3.732	3.728	3.726	3.726	3.724	3.736	3.778	3.772	3.770	3.776	3.778	3.768	3.755	3.804
25	2.800	2.797	2.743	2.690	2.677	2.688	2.484	2.461	2.515	2.551	2.602	2.648	2.703	2.724	2.755
26	3.821	3.829	3.772	3.717	3.720	3.720	3.509	3.530	3.585	3.640	3.690	3.747	3.781	3.818	3.844
27	2.835	2.844	2.783	2.726	2.724	2.722	2.507	2.475	2.528	2.581	2.633	2.690	2.722	2.764	2.795

VERSUCHSBALKEN SETMG2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 3

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

2	0.069	0.090	0.098	0.138	0.187	0.541	0.136
4	0.134	0.251	0.336	0.490	0.568	0.749	0.187
5	0.058	0.058	0.061	0.063	0.058	0.240	0.126
6	0.591	0.747	0.823	0.825	0.848	1.006	0.298
7	0.014	0.014	0.021	0.031	0.044	0.107	0.077
8	0.124	0.214	0.305	0.349	0.387	0.454	0.223
9	0.016	0.037	0.054	0.071	0.086	0.185	0.134
11	0.183	0.334	0.545	0.658	0.728	0.981	0.267
16	-0.116	-0.118	-0.118	-0.112	-0.126	-0.173	0.021
17	-0.177	-0.194	-0.221	-0.219	-0.232	-0.160	0.065
18	-0.015	0.002	0.025	0.042	0.054	0.058	-0.103
19	-0.015	0.002	0.025	0.042	0.054	0.058	-0.103
23	3.480	3.490	3.496	3.507	3.511	3.517	3.507
24	3.840	3.924	3.995	4.040	4.101	4.404	3.778
25	2.804	2.858	3.040	3.124	3.206	3.604	2.141
26	3.920	3.989	4.077	4.126	4.176	4.330	3.360
27	2.831	2.876	2.924	2.947	2.964	2.877	2.482

VERSUCHSBALKEN SETHQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 4

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

23	3.863	3.854	3.848	3.842	3.842	3.789	3.791	3.797	3.800	3.791	3.802	3.812	3.821	3.837	3.856
25	2.402	2.465	2.505	2.606	2.635	2.644	2.707	2.736	2.781	2.818	2.856	2.930	3.002	3.113	3.221
27	2.503	2.568	2.627	2.694	2.741	2.751	2.793	2.821	2.854	2.892	2.949	3.021	3.109	3.210	3.317

VERSUCHSBALKEN SEIMQ2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 4

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.875 1
23	3.865	3.873	3.829	3.797	3.797	3.793	3.806	3.776	3.768	3.762	3.762	3.766	3.774	3.802	3.873
25	3.261	3.298	3.067	2.877	2.863	2.876	2.492	2.465	2.534	2.591	2.667	2.753	2.842	2.964	3.143
27	3.338	3.351	3.077	2.896	2.894	2.894	2.532	2.503	2.568	2.642	2.717	2.812	2.890	3.021	3.176

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 4

BELASTUNGSGRAD. M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

23	3.917	3.955	4.023	4.056	4.073	4.065	3.812
25	3.336	3.473	3.661	3.766	3.835	4.155	2.606
27	3.292	3.416	3.595	3.675	3.738	3.663	2.517

VERSUCHSBALKEN SETM02 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 5

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

23	3.732	3.720	3.709	3.698	3.694	3.648	3.652	3.654	3.656	3.652	3.665	3.682	3.701	3.724	3.757
24	1.808	1.804	1.797	1.793	1.793	1.762	1.762	1.764	1.764	1.760	1.764	1.774	1.783	1.797	1.818
25	2.160	2.231	2.269	2.391	2.425	2.454	2.528	2.566	2.626	2.690	2.764	2.871	2.972	3.098	3.227
26	2.549	2.618	2.680	2.764	2.808	2.808	2.856	2.892	2.808	2.987	3.086	3.187	3.288	3.387	3.492
27	2.029	2.111	2.168	2.258	2.298	2.341	2.400	2.427	2.469	2.522	2.616	2.707	2.806	2.913	3.037

VERSUCHSBALKEN SETMOZ GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 5

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.675 1
23	3.766	3.781	3.715	3.661	3.661	3.658	3.675	3.652	3.631	3.616	3.612	3.614	3.633	3.703	3.778
24	1.823	1.825	1.791	1.766	1.766	1.764	1.770	1.768	1.757	1.753	1.749	1.753	1.764	1.783	1.802
25	3.269	3.301	2.987	2.745	2.730	2.741	2.303	2.301	2.389	2.461	2.549	2.652	2.802	3.067	3.332
26	3.517	3.562	3.273	3.037	3.033	3.035	2.585	2.560	2.631	2.711	2.585	2.915	3.073	3.368	3.498
27	3.077	3.128	2.821	2.557	2.532	2.526	2.071	2.063	2.141	2.218	2.301	2.423	2.568	2.865	3.098

VERSUCHSBALKEN SEITUNG 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 5

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

23 3.818 3.911 4.052 4.136 4.187 4.233 3.690
24 1.825 1.863 1.890 1.909 1.932 1.983 1.787
25 3.442 3.585 3.781 3.930 4.046 4.248 2.576
26 3.576 3.732 3.941 4.096 4.244 4.387 2.928
27 3.227 3.433 3.644 3.791 3.949 4.067 2.395

VERSUCHSBALKEN SEYM2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 6

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	0.002	-0.002	0.010	0.027	0.035	0.012	0.023	0.029	0.033	0.035	0.046	0.052	0.061	0.067	0.075
4	-0.002	-0.004	0.010	0.029	0.040	0.010	0.016	0.033	0.029	0.025	0.037	0.052	0.056	0.063	0.071
5	-0.004	0.006	0.021	0.035	0.044	0.025	0.033	0.040	0.042	0.042	0.050	0.067	0.067	0.075	0.085
6	0.056	0.056	0.058	0.063	0.067	0.029	0.042	0.046	0.046	0.037	0.054	0.071	0.084	0.101	0.130
7	0.103	0.113	0.115	0.120	0.122	0.094	0.107	0.101	0.098	0.101	0.101	0.113	0.122	0.132	0.147
8	0.122	0.122	0.120	0.120	0.122	0.086	0.069	0.071	0.077	0.071	0.044	0.052	0.048	0.046	0.046
9	0.040	0.029	0.021	0.012	0.010	-0.015	-0.013	-0.015	-0.015	-0.004	-0.006	-0.004	-0.006	-0.008	-0.008
11	0.075	0.050	0.035	0.023	0.016	-0.011	-0.008	-0.004	-0.008	-0.002	0.002	0.006	-0.002	-0.002	-0.002
16	0.006	-0.011	-0.059	-0.099	-0.118	-0.131	-0.149	-0.152	-0.162	-0.183	-0.185	-0.187	-0.202	-0.213	-0.223
17	0.002	-0.040	-0.088	-0.131	-0.156	-0.166	-0.198	-0.206	-0.223	-0.242	-0.259	-0.269	-0.295	-0.322	-0.349
18	-0.168	-0.124	-0.082	-0.038	-0.015	-0.044	-0.006	0.010	0.014	-0.002	0.002	0.012	0.008	0.008	0.008
19	-0.234	-0.179	-0.124	-0.063	-0.032	-0.036	0.000	0.021	0.037	0.027	0.023	0.029	0.023	0.023	0.021
23	4.010	3.991	3.981	3.974	3.970	3.909	3.915	3.920	3.922	3.915	3.922	3.943	3.962	3.983	4.016
24	4.094	4.082	4.073	4.067	4.065	4.016	4.025	4.031	4.033	4.029	4.035	4.058	4.084	4.115	4.153
25	2.435	2.509	2.560	2.677	2.711	2.717	2.785	2.821	2.871	2.915	2.964	3.054	3.141	3.256	3.383
26	1.654	1.726	1.797	1.873	1.917	1.917	1.960	1.987	2.018	2.056	2.115	2.191	2.311	2.427	2.545
27	1.941	2.027	2.098	2.185	2.231	2.313	2.366	2.395	2.425	2.469	2.528	2.606	2.717	2.810	2.928

VERSUCHSBALKEN SETMO 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 6

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
2	0.073	0.067	0.048	0.033	0.029	0.025	0.006	-0.011	-0.006	-0.002	0.000	0.008	0.010	0.004	-0.015
4	0.075	0.071	0.056	0.044	0.042	0.040	0.014	-0.004	-0.002	0.012	0.025	0.033	0.035	0.031	0.018
5	0.094	0.101	0.088	0.077	0.086	0.086	0.021	0.012	0.027	0.048	0.065	0.092	0.090	0.130	0.160
6	0.176	0.309	0.280	0.223	0.223	0.233	0.170	0.115	0.120	0.124	0.128	0.136	0.151	0.197	0.301
7	0.145	0.126	0.124	0.115	0.138	0.130	0.122	0.113	0.124	0.126	0.134	0.132	0.138	0.351	0.427
8	0.056	0.056	0.056	0.050	0.061	0.069	0.058	0.048	0.044	0.040	0.040	0.050	0.086	0.117	0.492
9	-0.006	0.008	-0.004	0.000	0.006	0.023	0.042	0.027	0.023	0.035	0.033	0.002	-0.004	0.035	0.027
11	-0.004	-0.002	-0.015	-0.011	-0.015	-0.017	0.065	0.050	0.031	0.021	0.004	-0.015	0.004	0.050	0.172
16	-0.215	-0.213	-0.152	-0.086	-0.084	-0.082	0.065	0.046	0.040	-0.006	-0.046	-0.093	-0.120	-0.154	-0.185
17	-0.356	-0.360	-0.288	-0.206	-0.206	-0.206	0.035	0.029	0.000	-0.063	-0.126	-0.198	-0.246	-0.316	-0.333
18	-0.010	0.010	0.006	0.000	0.002	0.002	-0.154	-0.175	-0.120	-0.078	-0.032	0.018	0.018	0.023	0.061
19	0.023	0.025	0.018	0.016	0.021	0.014	-0.179	-0.208	-0.145	-0.084	-0.025	0.014	0.016	0.014	0.014
23	4.025	4.033	3.974	3.928	3.930	3.928	3.949	3.913	3.894	3.888	3.884	3.894	3.907	4.029	4.069
24	4.162	4.187	4.115	4.056	4.058	4.058	4.054	4.029	4.010	4.006	4.006	4.014	4.027	4.075	4.168
25	3.429	3.471	3.229	3.016	3.002	3.014	2.555	2.532	2.610	2.680	2.764	2.869	2.978	3.130	3.488
26	2.557	2.555	2.292	2.094	2.088	2.088	1.682	1.644	1.720	1.797	1.876	1.976	2.048	2.174	2.555
27	2.966	2.968	2.703	2.488	2.463	2.452	2.006	2.029	2.105	2.187	2.277	2.383	2.473	2.595	2.884

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 6

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

2	-0.036	-0.053	-0.069	-0.082	-0.086	-0.042	0.018
4	0.021	0.021	0.029	0.044	0.073	0.225	0.105
5	0.155	0.174	0.197	0.256	0.330	0.440	0.185
6	0.421	0.484	0.614	0.808	1.063	1.334	0.557
7	0.511	0.509	0.524	0.589	0.698	0.789	0.591
8	0.574	0.667	0.774	0.861	0.926	1.031	0.397
9	0.626	0.934	1.067	1.176	1.275	1.391	0.364
11	0.195	0.469	0.884	1.126	1.326	1.534	0.543
16	-0.204	-0.221	-0.242	-0.238	-0.240	-0.238	0.054
17	-0.373	-0.396	-0.432	-0.444	-0.444	-0.467	0.000
18	0.063	0.061	0.084	0.082	0.088	0.117	-0.164
19	0.058	0.080	0.071	0.088	0.094	0.092	-0.105
23	4.132	4.170	4.225	4.288	4.395	4.488	3.934
24	4.218	4.273	4.313	4.360	4.404	4.467	4.065
25	3.656	3.814	4.018	4.149	4.231	4.402	2.743
26	2.682	2.818	2.981	3.084	3.183	3.290	1.760
27	2.589	3.010	3.252	3.404	3.473	3.568	2.183

VERSUCHSBALKEN SEITIG 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 7

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

2	-0.017	0.002	0.018	0.035	0.044	0.021	0.035	0.044	0.056	0.048	0.058	0.075	0.077	0.086	0.092
4	0.006	0.025	0.040	0.058	0.067	0.044	0.052	0.067	0.077	0.075	0.086	0.092	0.094	0.098	0.103
5	0.008	0.031	0.044	0.058	0.065	0.063	0.065	0.080	0.082	0.073	0.082	0.096	0.096	0.101	0.103
6	0.061	0.075	0.077	0.082	0.082	0.056	0.054	0.067	0.063	0.042	0.044	0.046	0.031	0.016	0.004
7	0.042	0.058	0.056	0.058	0.056	0.052	0.054	0.056	0.054	0.033	0.031	0.033	0.027	0.016	0.004
8	0.048	0.046	0.033	0.016	0.008	-0.004	-0.023	-0.025	-0.027	-0.044	-0.046	-0.042	-0.040	-0.040	-0.036
9	0.025	0.025	0.014	0.004	-0.004	-0.011	-0.023	-0.025	-0.027	-0.040	-0.046	-0.040	-0.036	-0.029	-0.019
11	0.031	0.023	0.008	-0.006	-0.013	-0.032	-0.044	-0.046	-0.046	-0.059	-0.063	-0.055	-0.051	-0.051	-0.051
16	0.016	-0.069	-0.198	-0.337	-0.404	-0.505	-0.568	-0.598	-0.632	-0.684	-0.737	-0.777	-0.832	-0.895	-0.962
17	0.000	-0.101	-0.234	-0.377	-0.444	-0.533	-0.606	-0.636	-0.669	-0.718	-0.777	-0.817	-0.876	-0.939	-1.004
18	-0.602	-0.522	-0.442	-0.352	-0.307	-0.314	-0.278	-0.257	-0.232	-0.225	-0.192	-0.171	-0.139	-0.109	-0.074
19	-0.709	-0.623	-0.535	-0.438	-0.387	-0.375	-0.331	-0.307	-0.274	-0.257	-0.221	-0.189	-0.128	-0.080	-0.013
24	4.033	4.021	4.008	4.002	4.001	3.953	3.966	3.972	3.976	3.972	3.985	4.006	4.027	4.048	4.075
25	2.465	2.536	2.585	2.694	2.726	2.743	2.802	2.835	2.880	2.917	2.955	3.016	3.075	3.160	3.251
26	2.347	2.416	2.488	2.570	2.610	2.606	2.646	2.673	2.701	2.730	2.781	2.829	2.892	2.962	3.042
27	1.964	2.048	2.117	2.193	2.229	2.271	2.324	2.345	2.372	2.400	2.452	2.503	2.572	2.646	2.732

VERSUCHSBALKEN SEIMQ2 GEPRÜFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 7

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
2	0.092	0.086	0.067	0.050	0.050	0.050	-0.008	-0.013	0.004	0.016	0.029	0.042	0.044	0.035	0.018
4	0.107	0.115	0.094	0.084	0.084	0.082	0.029	0.023	0.048	0.065	0.075	0.077	0.077	0.075	0.065
5	0.109	0.117	0.109	0.101	0.103	0.103	0.046	0.050	0.075	0.084	0.094	0.111	0.122	0.136	0.153
6	0.010	0.021	0.044	0.073	0.084	0.092	0.071	0.058	0.086	0.094	0.103	0.113	0.094	0.073	0.421
7	0.004	0.004	0.031	0.052	0.052	0.054	0.061	0.061	0.075	0.069	0.067	0.071	0.092	0.267	0.406
8	-0.029	-0.032	-0.013	-0.008	-0.006	-0.002	0.044	0.040	0.031	0.010	-0.002	-0.002	-0.011	-0.032	-0.023
9	-0.023	-0.044	-0.034	-0.036	-0.046	-0.057	0.018	0.018	0.004	-0.019	-0.038	-0.055	-0.080	0.482	0.669
11	-0.044	-0.038	-0.021	-0.019	-0.015	0.010	0.033	0.025	0.012	-0.004	-0.002	0.042	0.077	0.208	0.303
16	-0.969	-1.011	-0.888	-0.756	-0.749	-0.747	-0.171	-0.122	-0.227	-0.389	-0.520	-0.653	-0.731	-0.825	-0.941
17	-1.034	-1.057	-0.937	-0.794	-0.800	-0.796	-0.213	-0.171	-0.286	-0.451	-0.581	-0.716	-0.808	-0.918	-0.971
18	-0.059	-0.072	-0.116	-0.185	-0.198	-0.198	-0.575	-0.606	-0.520	-0.442	-0.352	-0.215	-0.168	-0.143	-0.128
19	0.008	-0.002	-0.082	-0.211	-0.215	-0.219	-0.678	-0.709	-0.617	-0.531	-0.423	-0.251	-0.202	-0.088	0.000
24	4.082	4.094	4.040	3.991	3.991	3.987	3.985	3.962	3.941	3.934	3.938	3.949	3.966	4.001	4.105
25	3.277	3.286	3.153	2.985	2.966	2.974	2.568	2.528	2.612	2.677	2.757	2.852	2.953	3.080	3.235
26	3.067	3.080	2.955	2.787	2.781	2.776	2.378	2.328	2.404	2.484	2.564	2.661	2.734	2.886	3.001
27	2.760	2.776	2.640	2.446	2.416	2.404	1.989	1.962	2.042	2.126	2.208	2.317	2.402	2.585	2.736

VERSUCHSBALKEN SETH02 BEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 7

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

2	0.004	-0.004	-0.017	-0.027	-0.034	0.006	0.010
4	0.054	0.063	0.077	0.111	0.164	0.288	0.138
5	0.153	0.168	0.208	0.292	0.376	0.490	0.242
6	0.513	0.623	0.707	0.795	0.880	0.978	0.385
7	0.465	0.551	0.673	0.825	1.004	1.208	0.593
8	-0.011	0.018	0.071	0.128	0.176	0.252	0.187
9	0.797	0.871	0.949	1.054	1.174	1.292	0.810
11	0.743	0.863	0.972	1.088	1.223	1.374	0.488
16	-0.998	-1.074	-1.154	-1.202	-1.232	-1.265	-0.143
17	-1.017	-1.076	-1.149	-1.198	-1.215	-1.257	-0.240
18	-0.057	0.109	0.252	0.301	0.334	0.381	-0.507
19	0.214	0.284	0.362	0.385	0.408	0.412	-0.656
24	4.155	4.225	4.288	4.313	4.345	4.421	4.010
25	3.383	3.568	3.797	3.913	3.983	4.092	2.543
26	3.258	3.378	3.496	3.576	3.661	3.753	2.231
27	3.002	3.138	3.290	3.397	3.503	3.608	2.014

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 8

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

4	-0.044	-0.029	-0.011	0.006	0.014	-0.015	-0.011	-0.004	0.004	-0.002	0.008	0.008	0.021	0.023	0.033
5	-0.034	-0.013	0.000	0.014	0.021	0.004	0.002	0.008	0.014	0.016	0.021	0.018	0.033	0.040	0.044
6	-0.015	-0.017	-0.017	-0.015	-0.013	-0.032	-0.044	-0.040	-0.006	-0.008	-0.004	-0.011	-0.004	-0.008	-0.004
7	-0.002	-0.002	-0.002	0.002	0.002	-0.004	-0.021	-0.019	0.012	0.012	0.016	0.012	0.027	0.023	0.033
8	0.052	0.044	0.033	0.021	0.012	-0.006	-0.034	-0.032	-0.006	-0.015	-0.011	-0.011	0.004	0.000	-0.002
9	0.016	0.006	-0.004	-0.011	-0.017	-0.023	-0.053	-0.053	-0.008	-0.004	0.008	0.006	0.018	0.010	0.006
11	-0.002	-0.011	-0.025	-0.038	-0.044	-0.067	-0.084	-0.082	-0.051	-0.055	-0.053	-0.061	-0.053	-0.063	-0.063
16	-0.036	-0.055	-0.112	-0.147	-0.166	-0.171	-0.211	-0.219	-0.202	-0.211	-0.217	-0.236	-0.242	-0.265	-0.280
17	-0.032	-0.051	-0.105	-0.135	-0.152	-0.162	-0.200	-0.206	-0.189	-0.196	-0.202	-0.219	-0.225	-0.248	-0.259
18	-0.248	-0.192	-0.137	-0.080	-0.048	-0.069	-0.046	-0.038	-0.002	0.004	0.006	0.000	0.010	0.000	0.002
19	-0.215	-0.162	-0.114	-0.063	-0.036	-0.051	-0.036	-0.038	-0.008	0.000	0.002	-0.004	0.004	-0.004	-0.002
24	4.006	3.991	3.981	3.972	3.970	3.924	3.932	3.938	3.941	3.936	3.945	3.966	3.985	4.008	4.046
25	2.442	2.515	2.562	2.688	2.722	2.743	2.816	2.865	2.924	2.981	3.037	3.128	3.214	3.332	3.467
26	3.431	3.503	3.574	3.656	3.701	3.640	3.680	3.722	3.760	3.810	3.888	3.970	4.054	4.138	4.237
27	1.978	2.065	2.126	2.216	2.258	2.309	2.366	2.402	2.446	2.505	2.581	2.675	2.774	2.876	2.978

VERSUCHSBALKEN SETMD2 GEPRUEFT AM 25. 6. 1979

ERNITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 8

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.875 1
4	0.035	0.027	0.018	-0.002	0.006	0.008	-0.046	-0.061	-0.044	-0.029	-0.023	-0.006	-0.008	-0.040	-0.048
5	0.056	0.067	0.058	0.040	0.052	0.063	-0.023	-0.038	-0.008	0.006	0.023	0.044	0.056	0.075	0.082
6	-0.042	-0.065	-0.080	-0.078	-0.101	-0.118	-0.044	-0.013	-0.006	-0.011	-0.019	-0.027	-0.093	-0.164	-0.135
7	0.044	0.141	0.130	0.090	0.073	0.080	0.042	0.075	0.090	0.096	0.098	0.115	0.155	0.338	0.423
8	-0.029	-0.034	-0.051	-0.055	-0.078	-0.095	0.021	0.056	0.054	0.037	0.012	-0.021	-0.057	-0.061	-0.061
9	-0.019	-0.019	-0.038	-0.048	-0.061	-0.069	-0.004	0.035	0.040	0.027	0.008	0.006	0.045	0.597	0.677
11	-0.086	-0.084	-0.095	-0.095	-0.109	-0.118	-0.036	-0.004	-0.006	-0.021	-0.038	-0.042	-0.074	0.042	0.256
16	-0.301	-0.301	-0.261	-0.206	-0.225	-0.238	-0.038	-0.006	-0.004	-0.061	-0.112	-0.160	-0.219	-0.257	-0.280
17	-0.288	-0.293	-0.259	-0.213	-0.229	-0.274	-0.059	-0.025	-0.029	-0.078	-0.122	-0.164	-0.227	-0.261	-0.269
18	-0.021	-0.019	-0.048	-0.069	-0.086	-0.131	-0.265	-0.238	-0.160	-0.105	-0.059	-0.006	-0.036	-0.036	-0.032
19	-0.027	-0.029	-0.051	-0.065	-0.084	-0.114	-0.227	-0.198	-0.126	-0.076	-0.038	-0.017	-0.048	-0.040	-0.023
24	4.058	4.071	4.012	3.962	3.957	3.957	3.953	3.928	3.909	3.905	3.907	3.917	3.938	3.983	4.088
25	3.488	3.501	3.240	3.027	3.010	3.025	2.568	2.541	2.626	2.692	2.776	2.896	3.073	3.467	3.669
26	4.233	4.221	3.915	3.732	3.726	3.715	3.343	3.265	3.341	3.421	3.498	3.602	3.703	3.848	3.896
27	3.014	3.048	2.743	2.498	2.473	2.465	2.021	2.008	2.088	2.166	2.244	2.370	2.526	2.854	3.042

VERSUCHSBALKEN SEIMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 8

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

4	-0.051	-0.057	-0.063	-0.059	-0.040	0.033	-0.025
5	0.084	0.092	0.120	0.160	0.208	0.282	0.040
6	-0.082	0.044	0.143	0.225	0.309	0.435	0.141
7	0.473	0.581	0.720	0.920	1.058	1.189	0.452
8	-0.065	-0.019	0.012	0.067	0.134	0.229	0.145
9	1.018	1.212	1.465	1.846	2.174	2.626	1.477
11	1.004	1.141	1.261	1.421	1.663	1.922	0.496
16	-0.299	-0.320	-0.339	-0.343	-0.345	-0.345	-0.013
17	-0.280	-0.295	-0.314	-0.326	-0.324	-0.326	-0.053
18	-0.025	-0.002	0.025	0.006	0.012	0.023	-0.206
19	-0.008	-0.002	0.014	0.014	0.021	0.027	-0.099
24	4.145	4.235	4.336	4.400	4.465	4.543	4.010
25	3.886	4.058	4.381	4.635	4.844	5.134	3.082
26	4.052	4.113	4.233	4.338	4.473	4.581	3.117
27	3.189	3.351	3.543	3.642	3.766	3.861	2.006

VERSUCHSBALKEN SETHQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 9

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

23	4.160	4.147	4.158	4.122	4.126	4.048	4.077	4.086	4.096	4.098	4.124	4.174	4.210	4.242	4.294
25	2.402	2.473	2.553	2.637	2.686	2.694	2.753	2.783	2.818	2.854	2.917	3.010	3.126	3.252	3.387
26	2.366	2.435	2.505	2.585	2.631	2.627	2.661	2.686	2.707	2.732	2.768	2.814	2.873	2.936	2.964

VERSUCHSBALKEN SETMN 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 9

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.875 1
23	4.338	4.381	4.341	4.277	4.284	4.292	4.113	4.075	4.065	4.069	4.141	4.242	4.294	4.372	4.446
25	3.461	3.562	3.286	3.035	3.035	3.048	2.353	2.252	2.334	2.427	2.553	2.886	3.058	3.376	3.562
26	2.943	2.949	2.789	2.675	2.675	2.675	2.368	2.322	2.397	2.473	2.536	2.604	2.656	2.932	2.964

VERSUCHSBALKEN SETMO 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 9

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

23	4.517	4.694	5.023	5.218	5.332	5.477	4.225
25	3.751	4.037	4.410	4.709	4.981	5.360	2.787
26	3.082	3.195	3.313	3.440	3.534	3.654	2.191

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 10

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

20	2.376	2.315	2.246	2.155	2.107	2.006	1.955	1.941	1.907	1.865	1.808	1.768	1.720	1.658	1.585
22	2.522	2.458	2.387	2.301	2.252	2.130	2.082	2.069	2.035	1.997	1.953	1.922	1.884	1.835	1.778
23	3.823	3.823	3.823	3.821	3.833	3.749	3.823	3.844	3.871	3.917	4.004	4.115	4.267	4.465	4.772
24	4.002	4.002	4.002	4.006	4.021	3.987	4.058	4.080	4.113	4.200	4.273	4.387	4.545	4.736	4.987

VERSUCHSBALKEN SETHQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 10

BELASTUNGSGRAD M/MU

NESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
20	1.520	1.467	1.501	1.585	1.576	1.566	2.033	2.018	1.949	1.856	1.736	1.600	1.526	1.448	1.378
22	1.774	1.829	1.880	1.949	1.968	1.985	2.214	2.181	2.124	2.090	2.056	2.021	2.006	2.023	2.044
23	4.955	4.987	4.711	4.347	4.355	4.368	3.749	3.684	3.692	3.713	3.837	4.143	4.326	4.513	4.574
24	5.193	5.298	5.033	4.608	4.600	4.602	3.920	3.894	3.898	3.928	4.067	4.427	4.637	4.911	5.065

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 10

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

20	1.330	1.252	1.124	0.993	0.924	0.840	1.732
22	2.053	2.096	2.147	2.204	2.265	2.309	2.115
23	4.665	4.818	5.328	5.570	5.720	5.865	3.917
24	5.221	5.494	6.191	6.593	6.835	7.231	4.381

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 11

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	0.010	0.010	0.006	0.002	0.002	-0.011	-0.021	-0.023	0.008	0.016	0.021	0.014	0.023	0.018	0.027
4	0.054	0.065	0.084	0.115	0.128	0.134	0.143	0.149	0.162	0.187	0.233	0.261	0.324	0.395	0.461
5	0.056	0.067	0.085	0.120	0.138	0.130	0.145	0.153	0.160	0.183	0.320	0.395	0.494	0.593	0.688
6	0.067	0.054	0.052	0.063	0.067	0.075	0.080	0.101	0.138	0.172	0.216	0.246	0.303	0.444	0.566
7	0.029	0.027	0.027	0.048	0.082	0.088	0.113	0.147	0.187	0.216	0.242	0.244	0.292	0.353	0.421
8	-0.044	-0.059	-0.072	-0.088	-0.095	-0.107	-0.099	-0.093	-0.082	-0.063	-0.044	-0.029	0.008	0.044	0.086
9	0.018	0.008	0.000	-0.013	-0.021	-0.036	-0.040	-0.038	-0.038	0.004	0.040	0.052	0.138	0.258	0.330
11	-0.023	-0.040	-0.051	-0.034	-0.013	-0.011	0.061	0.071	0.088	0.113	0.122	0.120	0.120	0.136	0.138
16	-0.419	-0.491	-0.571	-0.674	-0.726	-0.836	-0.888	-0.912	-0.945	-0.979	-1.023	-1.063	-1.107	-1.160	-1.225
17	-0.427	-0.491	-0.564	-0.655	-0.699	-0.798	-0.838	-0.855	-0.880	-0.903	-0.916	-0.939	-0.952	-0.973	-0.977
18	-0.465	-0.400	-0.328	-0.240	-0.206	-0.189	-0.131	-0.101	-0.011	0.151	0.296	0.423	0.587	0.701	0.800
19	-0.552	-0.486	-0.417	-0.328	-0.286	-0.278	-0.253	-0.229	-0.196	-0.093	0.073	0.216	0.296	0.473	0.526
20	2.406	2.357	2.301	2.223	2.185	2.084	2.044	2.033	2.008	1.981	1.953	1.932	1.911	1.882	1.842
22	2.538	2.484	2.425	2.349	2.307	2.191	2.155	2.145	2.122	2.096	2.065	2.042	2.014	1.978	1.945
23	3.176	3.181	3.183	3.185	3.231	3.256	3.338	3.364	3.378	3.374	3.389	3.404	3.435	3.494	3.553
25	2.522	2.574	2.631	2.705	2.743	2.743	2.821	2.858	2.960	3.084	3.227	3.366	3.524	3.696	3.898
27	2.004	2.065	2.115	2.191	2.233	2.269	2.362	2.397	2.473	2.589	2.728	2.867	3.023	3.212	3.378

VERSUCHSBALKEN SETMG 2 GEPRÜFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 11

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1

2	-0.002	-0.011	-0.023	-0.032	-0.053	-0.069	-0.015	0.031	0.040	0.027	0.012	0.000	-0.029	-0.029	-0.002
4	0.477	0.480	0.446	0.400	0.391	0.378	0.225	0.204	0.221	0.254	0.292	0.322	0.334	0.362	0.381
5	0.787	0.905	0.844	0.728	0.762	0.795	0.280	0.273	0.290	0.387	0.564	0.766	0.876	1.004	1.061
6	0.574	0.555	0.488	0.408	0.372	0.334	0.273	0.258	0.261	0.275	0.290	0.292	0.303	0.336	0.364
7	0.524	0.677	0.646	0.591	0.612	0.637	0.303	0.290	0.315	0.389	0.490	0.606	0.696	0.835	0.915
8	0.117	0.124	0.092	0.067	0.061	0.075	0.065	0.052	0.044	0.042	0.065	0.103	0.168	0.237	0.292
9	0.393	0.480	0.437	0.400	0.416	0.450	0.280	0.277	0.271	0.301	0.376	0.465	0.545	0.663	0.728
11	0.132	0.126	0.098	0.092	0.090	0.086	0.128	0.124	0.107	0.115	0.096	0.063	0.046	0.046	0.040
16	-1.288	-1.366	-1.246	-1.152	-1.164	-1.183	-0.682	-0.646	-0.720	-0.832	-0.979	-1.133	-1.219	-1.301	-1.377
17	-0.920	-0.796	-0.722	-0.659	-0.621	-0.581	-0.467	-0.440	-0.497	-0.501	-0.478	-0.459	-0.446	-0.389	-0.324
18	0.808	0.831	0.644	0.402	0.366	0.353	-0.255	-0.288	-0.215	-0.109	0.130	0.400	0.541	0.680	0.785
19	0.589	0.694	0.526	0.336	0.370	0.440	-0.331	-0.366	-0.288	-0.069	0.200	0.469	0.677	0.928	1.094
20	1.808	1.766	1.797	1.856	1.846	1.829	2.162	2.149	2.098	2.023	1.928	1.833	1.776	1.720	1.665
22	1.947	1.983	2.023	2.075	2.094	2.109	2.271	2.237	2.191	2.157	2.136	2.109	2.094	2.113	2.134
23	3.486	3.421	3.370	3.303	3.303	3.305	3.080	2.953	2.966	3.018	3.143	3.233	3.271	3.324	3.330
25	3.955	3.962	3.644	3.242	3.197	3.176	2.490	2.423	2.486	2.587	2.762	3.008	3.170	3.355	3.450
27	3.412	3.444	3.197	2.816	2.793	2.806	1.705	1.675	1.745	1.896	2.178	2.597	2.844	3.134	3.305

VERSUCHSBALKEN SETHQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 11

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

2	0.012	0.044	0.092	0.166	0.240	0.334	0.191
4	0.393	0.416	0.454	0.494	0.528	0.585	0.280
5	1.117	1.162	1.210	1.200	1.181	1.138	0.362
6	0.383	0.397	0.412	0.429	0.467	0.517	0.309
7	0.993	1.048	1.096	1.132	1.164	1.183	0.332
8	0.334	0.368	0.360	0.357	0.381	0.389	0.187
9	0.789	0.831	0.840	0.863	0.907	0.945	0.347
11	0.046	0.058	0.082	0.338	0.626	0.692	0.324
16	-1.432	-1.535	-1.726	-1.842	-1.943	-2.038	-0.952
17	-0.257	-0.158	-0.002	0.170	0.341	0.496	-0.343
18	0.882	0.960	1.073	1.111	1.124	1.136	-0.095
19	1.225	1.349	1.492	1.682	1.993	2.256	0.132
20	1.629	1.574	1.498	1.425	1.381	1.334	1.953
22	2.155	2.187	2.229	2.284	2.343	2.391	2.218
23	3.351	3.393	3.482	3.865	3.995	4.071	2.749
25	3.528	3.673	3.770	3.823	3.884	3.972	1.934
27	3.458	3.722	3.922	4.174	4.543	4.797	1.612

VERSUCHSBALKEN SETMO 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 12

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	-0.034	-0.029	-0.029	-0.034	-0.034	-0.063	-0.063	-0.057	-0.055	-0.061	-0.048	-0.046	-0.036	-0.023	-0.011
4	-0.032	-0.023	-0.017	-0.008	-0.004	-0.023	-0.017	-0.006	0.002	0.010	0.050	0.090	0.176	0.265	0.347
5	-0.059	-0.048	-0.038	-0.029	-0.023	-0.034	-0.027	-0.006	0.029	0.077	0.174	0.244	0.349	0.440	0.526
6	-0.017	-0.004	0.006	0.029	0.054	0.056	0.111	0.157	0.235	0.292	0.433	0.509	0.578	0.633	0.686
7	-0.034	-0.017	0.000	0.027	0.050	0.050	0.128	0.178	0.214	0.265	0.347	0.395	0.467	0.536	0.606
8	-0.034	-0.032	-0.029	-0.029	-0.027	-0.048	-0.048	-0.044	-0.040	-0.038	-0.011	0.004	0.025	0.042	0.052
9	0.000	0.002	0.006	0.010	0.014	-0.008	0.000	0.010	0.025	0.035	0.071	0.094	0.151	0.269	0.387
11	-0.065	-0.067	-0.074	-0.076	-0.076	-0.099	-0.095	-0.091	-0.084	-0.082	-0.059	-0.046	0.014	0.077	0.086
16	-0.141	-0.156	-0.177	-0.192	-0.198	-0.221	-0.234	-0.236	-0.236	-0.248	-0.240	-0.246	-0.267	-0.272	-0.276
17	-0.063	-0.116	-0.128	-0.145	-0.152	-0.156	-0.189	-0.185	-0.181	-0.183	-0.179	-0.198	-0.204	-0.227	-0.234
18	-0.067	-0.078	-0.046	-0.023	-0.013	-0.021	-0.025	-0.011	-0.002	0.000	0.008	0.002	0.016	0.023	0.035
19	-0.032	-0.046	-0.021	-0.002	0.008	0.004	-0.004	0.008	0.018	0.027	0.040	0.027	0.033	0.050	0.092
20	2.465	2.440	2.410	2.376	2.362	2.286	2.275	2.280	2.273	2.263	2.263	2.267	2.280	2.280	2.269
22	2.193	2.155	2.126	2.092	2.073	2.010	2.002	2.002	2.001	1.993	1.989	1.981	1.978	1.966	1.964
23	3.926	3.924	3.920	3.917	3.922	3.865	3.876	3.869	3.861	3.846	3.846	3.852	3.858	3.880	3.901
24	4.027	4.021	4.012	4.004	4.004	3.970	3.983	3.993	4.004	4.010	4.063	4.094	4.122	4.160	4.187
25	2.467	2.498	2.530	2.570	2.591	2.560	2.593	2.610	2.631	2.646	2.694	2.749	2.867	3.052	3.185
27	2.033	2.073	2.105	2.143	2.160	2.191	2.218	2.233	2.256	2.286	2.330	2.383	2.538	2.730	2.865

VERSUCHSBALKEN SETMO 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 12

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
2	0.008	0.040	0.048	0.048	0.048	0.073	0.031	0.006	0.012	0.021	0.042	0.069	0.134	0.223	0.298
4	0.378	0.374	0.349	0.311	0.292	0.273	0.132	0.111	0.124	0.141	0.181	0.225	0.258	0.280	0.290
5	0.623	0.736	0.711	0.631	0.646	0.671	0.189	0.176	0.214	0.349	0.488	0.635	0.747	0.871	0.972
6	0.684	0.656	0.581	0.494	0.446	0.404	0.214	0.200	0.210	0.240	0.286	0.332	0.385	0.416	0.431
7	0.696	0.821	0.772	0.669	0.698	0.741	0.193	0.181	0.227	0.357	0.526	0.701	0.837	0.991	1.098
8	0.061	0.071	0.063	0.056	0.042	0.031	0.021	0.002	0.000	-0.004	-0.008	-0.013	0.016	0.063	0.092
9	0.484	0.602	0.568	0.505	0.528	0.562	0.202	0.176	0.200	0.294	0.425	0.541	0.648	0.795	0.867
11	0.092	0.094	0.092	0.094	0.094	0.128	0.086	0.073	0.071	0.073	0.113	0.446	0.871	1.010	1.073
16	-0.278	-0.288	-0.265	-0.242	-0.253	-0.259	-0.156	-0.194	-0.213	-0.242	-0.272	-0.295	-0.278	-0.291	-0.295
17	-0.263	-0.274	-0.255	-0.219	-0.211	-0.192	-0.156	-0.198	-0.234	-0.229	-0.232	-0.244	-0.196	-0.200	-0.187
18	0.027	0.040	0.037	0.040	0.040	0.050	-0.055	-0.099	-0.086	-0.046	-0.023	-0.011	0.061	0.080	0.092
19	0.084	0.086	0.088	0.101	0.107	0.117	0.002	-0.040	-0.029	0.023	0.084	0.090	0.136	0.115	0.088
20	2.251	2.227	2.231	2.248	2.235	2.218	2.360	2.336	2.313	2.277	2.237	2.202	2.174	2.149	2.128
22	1.987	2.046	2.048	2.054	2.065	2.075	2.048	2.040	2.031	2.046	2.067	2.084	2.101	2.145	2.189
23	3.938	4.016	4.031	3.997	4.008	4.021	3.865	3.812	3.818	3.844	3.903	3.983	4.037	4.136	4.240
24	4.195	4.193	4.160	4.117	4.103	4.090	3.991	3.968	3.968	3.972	4.006	4.061	4.077	4.111	4.130
25	3.246	3.317	3.143	2.907	2.890	2.880	2.433	2.357	2.389	2.431	2.522	2.753	2.867	3.075	3.227
27	2.968	3.103	2.924	2.682	2.669	2.694	1.993	1.876	1.915	1.985	2.136	2.520	2.741	3.012	3.187

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 12

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

2	0.353	0.431	0.536	0.665	0.772	0.876	0.261
4	0.303	0.320	0.355	0.387	0.416	0.448	0.185
5	1.037	1.107	1.176	1.221	1.277	1.317	0.320
6	0.444	0.454	0.469	0.488	0.507	0.526	0.288
7	1.168	1.252	1.349	1.444	1.555	1.663	0.444
8	0.134	0.174	0.233	0.364	0.494	0.635	0.471
9	0.876	0.894	0.905	0.922	0.930	0.934	0.206
11	1.138	1.218	1.330	1.429	1.526	1.646	0.522
16	-0.301	-0.309	-0.322	-0.322	-0.328	-0.320	-0.118
17	-0.164	-0.143	-0.099	-0.082	-0.034	-0.011	-0.211
18	0.109	0.109	0.120	0.107	0.134	0.132	-0.021
19	0.077	0.042	0.010	-0.046	-0.061	-0.097	0.008
20	2.113	2.098	2.086	2.075	2.067	2.069	2.298
22	2.214	2.261	2.324	2.383	2.444	2.492	2.016
23	4.311	4.414	4.555	4.720	4.846	5.008	3.926
24	4.143	4.164	4.214	4.251	4.286	4.328	4.035
25	3.353	3.551	3.762	3.867	3.888	3.964	2.115
27	3.351	3.547	3.760	3.953	4.126	4.280	1.627

VERSUCHSBALKEN SETMG 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 13

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

	0.000	0.167	0.335	0.500	0.584	0.584	0.667	0.708	0.749	0.792	0.833	0.875	0.916	0.959	1.000
2	0.088	0.063	0.075	0.080	0.084	0.058	0.048	0.061	0.067	0.069	0.090	0.086	0.107	0.115	0.132
4	0.092	0.065	0.073	0.077	0.082	0.061	0.050	0.065	0.077	0.090	0.145	0.244	0.431	0.587	0.688
5	0.080	0.052	0.061	0.067	0.071	0.044	0.042	0.063	0.080	0.098	0.172	0.218	0.322	0.402	0.505
6	0.063	0.031	0.042	0.073	0.103	0.098	0.176	0.237	0.301	0.353	0.463	0.530	0.614	0.652	0.703
7	0.107	0.069	0.071	0.080	0.090	0.098	0.251	0.345	0.431	0.513	0.591	0.610	0.671	0.694	0.743
8	0.040	0.006	0.010	0.008	0.010	-0.008	-0.019	-0.008	0.000	0.004	0.025	0.023	0.052	0.067	0.103
9	0.094	0.058	0.058	0.054	0.054	0.035	0.033	0.050	0.075	0.096	0.174	0.210	0.309	0.397	0.477
11	-0.057	-0.057	-0.065	-0.065	-0.065	-0.099	-0.095	-0.091	-0.082	-0.091	-0.088	-0.086	-0.072	-0.040	0.008
16	-0.345	-0.358	-0.375	-0.385	-0.392	-0.493	-0.451	-0.446	-0.444	-0.463	-0.459	-0.463	-0.457	-0.427	-0.404
17	-0.448	-0.461	-0.480	-0.495	-0.501	-0.560	-0.549	-0.539	-0.537	-0.549	-0.549	-0.558	-0.558	-0.549	-0.528
18	-0.373	-0.354	-0.343	-0.322	-0.316	-0.343	-0.326	-0.314	-0.312	-0.312	-0.309	-0.307	-0.301	-0.309	-0.316
19	-0.413	-0.396	-0.387	-0.371	-0.362	-0.385	-0.360	-0.347	-0.339	-0.333	-0.324	-0.318	-0.316	-0.316	-0.322
20	2.404	2.397	2.389	2.374	2.368	2.320	2.322	2.328	2.328	2.330	2.332	2.336	2.330	2.328	2.324
23	3.943	3.945	3.945	3.943	3.943	3.886	3.858	3.863	3.867	3.863	3.886	3.907	3.953	4.001	4.058
24	3.905	3.905	3.903	3.911	3.930	3.938	3.926	3.932	3.936	3.938	3.947	3.968	3.981	4.004	4.027
25	2.467	2.498	2.530	2.570	2.591	2.560	2.593	2.610	2.631	2.646	2.694	2.749	2.867	3.052	3.185
27	2.014	2.035	2.046	2.069	2.075	2.103	2.120	2.130	2.143	2.153	2.166	2.185	2.227	2.336	2.444

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 13

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
2	0.130	0.155	0.172	0.183	0.181	0.202	0.168	0.113	0.109	0.134	0.153	0.170	0.258	0.334	0.414
4	0.677	0.644	0.595	0.520	0.482	0.450	0.317	0.282	0.277	0.309	0.347	0.387	0.448	0.461	0.480
5	0.608	0.680	0.677	0.644	0.661	0.684	0.328	0.267	0.286	0.427	0.528	0.626	0.736	0.810	0.901
6	0.682	0.656	0.602	0.520	0.484	0.448	0.275	0.216	0.214	0.269	0.320	0.366	0.442	0.473	0.501
7	0.762	0.760	0.686	0.610	0.633	0.671	0.395	0.374	0.355	0.429	0.513	0.608	0.701	0.722	0.705
8	0.109	0.105	0.117	0.122	0.124	0.126	0.120	0.071	0.063	0.080	0.084	0.075	0.122	0.117	0.126
9	0.528	0.627	0.644	0.595	0.618	0.652	0.343	0.292	0.280	0.370	0.486	0.606	0.738	0.888	1.046
11	0.044	0.134	0.136	0.115	0.115	0.134	0.082	0.061	0.052	0.050	0.094	0.178	0.280	0.429	0.520
16	-0.406	-0.436	-0.440	-0.438	-0.453	-0.478	-0.394	-0.425	-0.434	-0.451	-0.469	-0.491	-0.516	-0.541	-0.560
17	-0.499	-0.413	-0.411	-0.421	-0.400	-0.377	-0.488	-0.518	-0.526	-0.495	-0.436	-0.368	-0.318	-0.225	-0.152
18	-0.322	-0.333	-0.343	-0.354	-0.356	-0.368	-0.381	-0.404	-0.389	-0.379	-0.377	-0.387	-0.400	-0.396	-0.392
19	-0.303	-0.251	-0.263	-0.288	-0.276	-0.265	-0.421	-0.436	-0.411	-0.362	-0.312	-0.269	-0.240	-0.120	-0.017
20	2.320	2.309	2.305	2.311	2.305	2.292	2.338	2.324	2.320	2.311	2.301	2.296	2.294	2.292	2.296
23	4.157	4.258	4.227	4.170	4.197	4.231	3.886	3.829	3.835	3.920	4.050	4.185	4.269	4.397	4.517
24	4.033	4.025	4.008	3.993	3.983	3.974	3.920	3.932	3.934	3.943	3.962	3.978	3.983	3.997	4.002
25	3.246	3.317	3.143	2.907	2.890	2.880	2.433	2.357	2.389	2.431	2.522	2.753	2.867	3.075	3.227
27	2.517	2.631	2.581	2.469	2.452	2.463	1.974	1.905	1.924	1.968	2.075	2.347	2.467	2.610	2.732

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 13

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

2	0.480	0.562	0.690	0.789	0.915	1.008	0.374
4	0.501	0.513	0.549	0.538	0.557	0.566	0.341
5	0.983	1.073	1.189	1.254	1.336	1.381	0.360
6	0.534	0.551	0.572	0.549	0.557	0.555	0.286
7	0.720	0.705	0.698	0.642	0.631	0.570	0.505
8	0.145	0.151	0.178	0.183	0.206	0.221	0.149
9	1.134	1.235	1.353	1.423	1.507	1.570	0.410
11	0.589	0.671	0.776	0.884	0.985	1.094	0.324
16	-0.577	-0.594	-0.602	-0.615	-0.634	-0.632	-0.469
17	-0.091	-0.015	0.082	0.162	0.235	0.286	-0.459
18	-0.389	-0.392	-0.402	-0.413	-0.411	-0.413	-0.373
19	0.040	0.103	0.185	0.231	0.273	0.294	-0.406
20	2.301	2.311	2.322	2.326	2.326	2.336	2.364
23	4.597	4.732	4.957	5.193	5.385	5.616	3.938
24	4.010	4.018	4.037	4.061	4.082	4.098	3.966
25	3.353	3.551	3.762	3.867	3.888	3.964	2.115
27	2.835	2.960	3.086	3.178	3.269	3.349	1.448

VERSUCHSBALKEN SETMO 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 14

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	-0.074	-0.076	-0.080	-0.078	-0.080	-0.101	-0.088	-0.084	-0.076	-0.048	-0.027	-0.021	0.002	0.052	0.088
4	-0.036	-0.034	-0.036	-0.036	-0.032	-0.076	-0.059	-0.048	-0.032	0.000	0.061	0.122	0.208	0.298	0.376
5	0.000	0.010	0.012	0.027	0.031	-0.011	0.016	0.033	0.046	0.063	0.101	0.122	0.191	0.251	0.322
6	-0.006	0.004	0.014	0.054	0.088	0.071	0.193	0.271	0.353	0.400	0.482	0.576	0.709	0.812	0.892
7	0.024	0.035	0.047	0.068	0.094	0.099	0.246	0.318	0.389	0.451	0.537	0.600	0.701	0.779	0.850
8	0.014	0.020	0.023	0.025	0.030	0.007	0.022	0.029	0.036	0.033	0.045	0.061	0.100	0.221	0.284
9	0.019	0.025	0.033	0.040	0.046	0.023	0.053	0.067	0.081	0.087	0.122	0.154	0.303	0.472	0.534
11	0.023	0.027	0.024	0.025	0.026	0.006	0.019	0.021	0.023	0.022	0.029	0.038	0.049	0.061	0.070
16	-3.040	-3.148	-3.162	-3.186	-3.187	-3.405	-3.380	-3.377	-3.378	-3.386	-3.389	-3.383	-3.382	-3.372	-3.373
17	-0.120	-0.118	-0.118	-0.118	-0.118	-0.147	-0.128	-0.124	-0.124	-0.146	-0.139	-0.136	-0.130	-0.123	-0.119
18	-0.137	-0.138	-0.141	-0.146	-0.145	-0.168	-0.152	-0.151	-0.149	-0.151	-0.152	-0.146	-0.145	-0.152	-0.150
19	-0.224	-0.229	-0.236	-0.243	-0.244	-0.273	-0.261	-0.259	-0.260	-0.268	-0.264	-0.260	-0.259	-0.267	-0.266
20	2.364	2.378	2.404	2.414	2.423	2.362	2.395	2.387	2.416	2.444	2.461	2.473	2.490	2.517	2.553
22	2.589	2.600	2.606	2.614	2.618	2.578	2.600	2.612	2.626	2.654	2.680	2.698	2.724	2.747	2.776
23	4.014	4.012	4.010	4.008	4.010	3.953	3.997	4.023	4.048	4.063	4.109	4.143	4.212	4.258	4.307
24	3.934	3.936	3.934	3.941	3.943	3.911	3.905	3.905	3.903	3.884	3.876	3.892	3.907	3.928	3.949
25	2.456	2.454	2.450	2.446	2.446	2.404	2.412	2.421	2.421	2.416	2.435	2.446	2.456	2.488	2.534
27	2.037	2.048	2.044	2.044	2.042	2.056	2.065	2.069	2.073	2.073	2.073	2.080	2.090	2.111	2.130

VERSUCHSBALKEN SETMU 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 14

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.875 1
2	0.120	0.195	0.202	0.189	0.183	0.185	0.132	0.111	0.105	0.115	0.138	0.183	0.237	0.368	0.477
4	0.385	0.357	0.326	0.275	0.246	0.212	0.149	0.128	0.130	0.128	0.143	0.166	0.166	0.172	0.176
5	0.482	0.732	0.677	0.581	0.631	0.688	0.193	0.174	0.206	0.309	0.484	0.675	0.783	0.924	1.023
6	0.869	0.827	0.705	0.560	0.494	0.431	0.189	0.170	0.187	0.231	0.303	0.385	0.418	0.473	0.509
7	0.924	0.992	0.918	0.806	0.830	0.871	0.292	0.272	0.325	0.473	0.643	0.819	0.913	1.008	1.032
8	0.346	0.330	0.309	0.275	0.251	0.226	0.151	0.132	0.138	0.145	0.161	0.185	0.186	0.197	0.199
9	0.626	0.708	0.674	0.603	0.626	0.654	0.237	0.221	0.258	0.389	0.508	0.635	0.710	0.787	0.845
11	0.083	0.117	0.129	0.119	0.121	0.137	0.092	0.077	0.079	0.089	0.113	0.147	0.195	0.304	0.415
16	-3.385	-3.393	-3.419	-3.425	-3.433	-3.444	-3.467	-3.582	-3.579	-3.576	-3.590	-3.597	-3.609	-3.609	-3.616
17	-0.122	-0.123	-0.136	-0.148	-0.142	-0.137	-0.185	-0.174	-0.167	-0.161	-0.146	-0.128	-0.112	-0.076	-0.054
18	-0.153	-0.164	-0.160	-0.163	-0.165	-0.172	-0.142	-0.159	-0.157	-0.166	-0.178	-0.188	-0.196	-0.203	-0.212
19	-0.264	-0.259	-0.260	-0.261	-0.258	-0.254	-0.278	-0.305	-0.305	-0.300	-0.294	-0.288	-0.291	-0.276	-0.247
20	2.555	2.555	2.534	2.498	2.488	2.482	2.412	2.334	2.345	2.378	2.404	2.425	2.448	2.486	2.520
22	2.808	2.856	2.818	2.768	2.781	2.797	2.570	2.526	2.543	2.591	2.671	2.762	2.816	2.905	2.976
23	4.381	4.450	4.418	4.355	4.370	4.395	3.945	3.890	3.917	4.054	4.200	4.330	4.414	4.534	4.642
24	3.945	3.926	3.894	3.873	3.861	3.850	3.863	3.837	3.837	3.825	3.816	3.812	3.810	3.818	3.818
25	2.566	2.581	2.581	2.568	2.555	2.545	2.463	2.412	2.410	2.406	2.440	2.503	2.520	2.574	2.623
27	2.157	2.206	2.200	2.162	2.153	2.155	1.995	1.962	1.968	1.993	2.035	2.126	2.157	2.216	2.273

VERSUCHSBALKEN SETMQ 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 14

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

2	0.578	0.692	0.793	0.913	1.084	1.164	0.595
4	0.174	0.178	0.185	0.183	0.181	0.187	0.157
5	1.101	1.187	1.280	1.353	1.406	1.465	0.117
6	0.532	0.564	0.595	0.585	0.574	0.578	0.195
7	1.065	1.099	1.138	1.187	1.229	1.288	0.420
8	0.207	0.215	0.227	0.226	0.219	0.222	0.142
9	0.889	0.939	0.999	1.070	1.149	1.243	0.393
11	0.499	0.604	0.705	0.810	0.893	0.996	0.327
16	-3.618	-3.634	-3.636	-3.644	-3.642	-3.650	-3.696
17	-0.021	0.006	0.012	0.011	0.006	0.009	-0.226
18	-0.217	-0.224	-0.237	-0.244	-0.251	-0.257	-0.135
19	-0.209	-0.170	-0.120	-0.075	-0.046	-0.033	-0.367
20	2.536	2.587	2.644	2.682	2.715	2.745	2.418
22	3.040	3.117	3.202	3.271	3.345	3.393	2.477
23	4.722	4.846	5.056	5.315	5.532	5.785	4.016
24	3.823	3.825	3.831	3.829	3.833	3.831	3.844
25	2.667	2.753	2.888	2.964	3.025	3.061	2.202
27	2.338	2.414	2.498	2.574	2.650	2.711	1.648

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 15

BELASTUNGSGRAD M/MU

MESSELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	0.197	0.194	0.185	0.181	0.181	0.148	0.137	0.135	0.123	0.117	0.112	0.113	0.113	0.164	0.167
4	-0.029	-0.020	-0.025	-0.031	-0.027	-0.040	0.192	0.257	0.367	0.467	0.644	0.757	0.848	0.913	0.975
5	0.033	0.036	0.031	0.028	0.028	0.023	0.061	0.077	0.182	0.261	0.344	0.410	0.460	0.510	0.565
6	0.287	0.306	0.325	0.353	0.381	0.348	0.417	0.441	0.474	0.642	0.773	0.878	0.990	1.108	1.217
7	0.114	0.129	0.147	0.173	0.195	0.173	0.258	0.299	0.339	0.511	0.643	0.718	0.810	0.902	0.977
8	0.056	0.088	0.112	0.152	0.182	0.152	0.174	0.180	0.183	0.188	0.206	0.216	0.232	0.285	0.325
9	0.163	0.180	0.201	0.223	0.238	0.230	0.249	0.256	0.257	0.262	0.275	0.286	0.309	0.379	0.451
11	0.210	0.199	0.188	0.181	0.176	0.117	0.130	0.136	0.131	0.121	0.126	0.126	0.138	0.140	0.147
16	-0.077	-0.044	-0.011	0.023	0.046	0.024	0.061	0.099	0.076	0.071	0.081	0.090	0.104	0.070	0.070
18	-0.091	-0.117	-0.150	-0.185	-0.200	-0.226	-0.230	-0.236	-0.249	-0.270	-0.275	-0.284	-0.295	-0.309	-0.315
19	-0.020	-0.052	-0.090	-0.123	-0.142	-0.166	-0.183	-0.189	-0.203	-0.219	-0.231	-0.243	-0.257	-0.275	-0.289
20	2.320	2.381	2.456	2.530	2.574	2.541	2.652	2.673	2.753	2.835	2.957	3.073	3.214	3.355	3.524
22	2.564	2.618	2.675	2.747	2.789	2.776	2.869	2.913	2.974	3.037	3.155	3.267	3.397	3.507	3.648
23	3.429	3.425	3.421	3.421	3.425	3.370	3.385	3.395	3.404	3.429	3.473	3.515	3.549	3.593	3.644
24	3.661	3.661	3.658	3.658	3.663	3.629	3.646	3.656	3.663	3.698	3.743	3.787	3.837	3.890	3.943
25	2.507	2.469	2.427	2.374	2.349	2.263	2.242	2.233	2.212	2.191	2.172	2.157	2.138	2.115	2.094
27	2.515	2.475	2.410	2.391	2.357	2.307	2.298	2.298	2.298	2.290	2.254	2.248	2.225	2.208	2.183

VERSUCHSBALKEN SEIMO 2 GEPRÜFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 15

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1
2	0.213	0.235	0.249	0.244	0.249	0.257	0.192	0.145	0.145	0.152	0.187	0.239	0.268	0.305	0.319
4	0.935	0.865	0.665	0.437	0.369	0.305	0.249	0.302	0.294	0.271	0.240	0.282	0.336	0.412	0.443
5	0.630	0.740	0.687	0.597	0.635	0.687	0.401	0.411	0.418	0.451	0.516	0.719	0.844	0.982	1.076
6	1.202	1.131	0.943	0.756	0.698	0.647	0.469	0.441	0.462	0.478	0.506	0.558	0.579	0.617	0.641
7	1.062	1.179	1.039	0.863	0.912	0.975	0.275	0.236	0.303	0.461	0.675	0.920	1.066	1.237	1.333
8	0.357	0.351	0.335	0.309	0.306	0.300	0.205	0.174	0.197	0.218	0.239	0.264	0.275	0.285	0.295
9	0.568	0.700	0.671	0.594	0.613	0.626	0.288	0.314	0.333	0.402	0.522	0.666	0.758	0.883	0.993
11	0.142	0.129	0.134	0.133	0.130	0.122	0.178	0.146	0.135	0.122	0.111	0.098	0.086	0.084	0.086
16	0.071	0.069	0.071	0.071	0.075	0.077	-0.015	-0.058	-0.027	0.021	0.046	0.095	0.085	0.075	0.067
18	-0.320	-0.342	-0.297	-0.257	-0.261	-0.269	-0.075	-0.082	-0.112	-0.155	-0.209	-0.268	-0.308	-0.339	-0.359
19	-0.267	-0.244	-0.204	-0.166	-0.149	-0.137	-0.050	-0.077	-0.110	-0.134	-0.147	-0.156	-0.165	-0.179	-0.204
20	3.547	3.555	3.254	2.938	2.913	2.896	2.433	2.355	2.414	2.503	2.608	2.787	2.920	3.103	3.229
22	3.686	3.730	3.458	3.181	3.189	3.216	2.635	2.576	2.640	2.717	2.863	3.120	3.301	3.526	3.669
23	3.682	3.757	3.682	3.585	3.595	3.616	3.381	3.332	3.341	3.360	3.429	3.562	3.646	3.762	3.833
24	3.938	3.928	3.814	3.707	3.688	3.673	3.612	3.589	3.591	3.593	3.604	3.644	3.671	3.722	3.751
25	2.084	2.063	2.105	2.153	2.149	2.143	2.364	2.353	2.317	2.265	2.204	2.138	2.092	2.054	2.021
27	2.189	2.204	2.248	2.290	2.292	2.311	2.431	2.427	2.400	2.360	2.338	2.313	2.317	2.317	2.345

VERSUCHSBALEN SETHQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 15

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

2	0.335	0.346	0.364	0.390	0.409	0.435	0.202
4	0.464	0.481	0.495	0.452	0.402	0.386	0.245
5	1.156	1.223	1.304	1.372	1.433	1.487	0.537
6	0.688	0.749	0.832	0.835	0.811	0.819	0.433
7	1.428	1.505	1.578	1.659	1.737	1.814	0.401
8	0.301	0.311	0.327	0.338	0.337	0.368	0.204
9	1.076	1.175	1.279	1.387	1.458	1.534	0.489
11	0.087	0.095	0.108	0.134	0.162	0.218	0.215
16	0.073	0.070	0.071	0.071	0.068	0.080	-0.039
18	-0.375	-0.388	-0.416	-0.422	-0.433	-0.442	-0.011
19	-0.211	-0.222	-0.235	-0.234	-0.229	-0.212	-0.216
20	3.328	3.465	3.597	3.644	3.684	3.730	2.315
22	3.800	3.991	4.208	4.362	4.507	4.707	2.964
23	3.903	3.997	4.136	4.227	4.303	4.391	3.389
24	3.791	3.835	3.890	3.901	3.909	3.913	3.585
25	1.995	1.964	1.928	1.901	1.884	1.854	2.313
27	2.381	2.400	2.473	2.530	2.560	2.629	2.372

VERSUCHSBALKEN SETMQ 2 GEPROEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 16

BELASTUNGSGRAD M/MU

MESSTELLE 0,000 0,167 0,335 0,500 0,584 0,584 0,667 0,708 0,749 0,792 0,833 0,875 0,916 0,959 1,000

1

2	0.079	0.082	0.083	0.087	0.087	0.066	0.072	0.074	0.074	0.070	0.069	0.071	0.065	0.050	0.044
4	0.146	0.140	0.128	0.118	0.114	0.085	0.093	0.095	0.088	0.084	0.085	0.089	0.104	0.114	0.122
5	0.134	0.127	0.116	0.106	0.099	0.070	0.078	0.084	0.087	0.084	0.085	0.091	0.096	0.101	0.107
6	-0.019	-0.033	-0.051	-0.076	-0.077	-0.106	-0.100	-0.096	-0.094	-0.076	-0.044	-0.023	0.010	0.037	0.046
7	-0.093	-0.106	-0.130	-0.155	-0.165	-0.192	-0.189	-0.185	-0.176	-0.168	-0.150	-0.121	-0.086	-0.035	-0.010
8	0.111	0.115	0.120	0.128	0.135	0.104	0.119	0.122	0.127	0.133	0.155	0.177	0.212	0.265	0.303
9	0.066	0.049	0.029	0.009	0.002	-0.008	-0.009	-0.011	-0.019	-0.018	-0.012	-0.007	-0.002	0.010	0.021
11	0.051	0.017	-0.020	-0.049	-0.059	-0.089	-0.091	-0.087	-0.090	-0.095	-0.093	-0.091	-0.087	-0.081	-0.075
16	-0.513	-0.440	-0.359	-0.263	-0.208	-0.194	-0.134	-0.112	-0.094	-0.085	-0.055	-0.009	0.078	0.177	0.256
19	-0.291	-0.367	-0.451	-0.553	-0.603	-0.698	-0.745	-0.769	-0.811	-0.869	-0.930	-0.982	-1.045	-1.152	-1.208
20	2.412	2.480	2.557	2.633	2.673	2.644	2.705	2.707	2.751	2.778	2.827	2.876	2.938	3.002	3.082
21	2.557	2.614	2.686	2.743	2.774	2.726	2.774	2.770	2.800	2.810	2.821	2.831	2.846	2.861	2.890
22	2.568	2.627	2.686	2.764	2.802	2.791	2.835	2.858	2.880	2.898	2.941	2.989	3.042	3.147	3.233
23	2.357	2.400	2.416	2.452	2.469	2.578	2.635	2.650	2.688	2.724	2.783	2.848	2.894	2.970	3.035
24	3.751	3.757	3.760	3.772	3.783	3.747	3.770	3.785	3.804	3.844	3.880	3.911	3.964	4.027	4.088
25	2.496	2.450	2.393	2.322	2.288	2.200	2.168	2.155	2.128	2.094	2.058	2.033	1.995	1.957	1.915
27	2.433	2.383	2.307	2.271	2.229	2.174	2.160	2.155	2.149	2.128	2.082	2.065	2.025	2.001	1.968

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 16

BELASTUNGSGRAD M/MU

MESSTELLE	1.000	1.000	0.833	0.667	0.667	0.667	0.000	0.000	0.167	0.333	0.500	0.667	0.749	0.833	0.875
	1	2	1	1	2	3	1	2	1		1	4	1	2	1

2	0.033	0.026	0.033	0.044	0.048	0.049	0.082	0.064	0.057	0.055	0.048	0.041	0.032	0.031	0.024
4	0.110	0.097	0.101	0.095	0.079	0.056	0.139	0.162	0.138	0.109	0.088	0.086	0.082	0.085	0.094
5	0.121	0.131	0.133	0.136	0.142	0.146	0.146	0.115	0.112	0.115	0.121	0.126	0.122	0.127	0.139
6	0.031	0.014	0.007	-0.001	-0.017	-0.031	0.044	0.039	0.018	-0.004	-0.019	-0.034	-0.051	-0.059	-0.062
7	0.025	0.047	0.035	0.016	0.026	0.046	-0.020	-0.028	-0.047	-0.055	-0.031	0.033	0.069	0.118	0.142
8	0.319	0.309	0.301	0.284	0.278	0.272	0.212	0.189	0.206	0.217	0.224	0.229	0.233	0.240	0.249
9	0.061	0.108	0.122	0.123	0.119	0.133	0.126	0.119	0.102	0.089	0.089	0.116	0.145	0.206	0.252
11	-0.068	-0.069	-0.069	-0.068	-0.072	-0.080	0.033	0.018	-0.018	-0.041	-0.061	-0.074	-0.087	-0.101	-0.119
16	0.292	0.304	0.223	0.115	0.108	0.102	-0.333	-0.383	-0.306	-0.198	-0.061	0.068	0.118	0.177	0.226
19	-1.237	-1.253	-1.147	-1.020	-1.017	-1.018	-0.578	-0.585	-0.670	-0.761	-0.868	-0.991	-1.068	-1.142	-1.193
20	3.103	3.115	3.021	2.892	2.884	2.888	2.528	2.435	2.492	2.585	2.675	2.789	2.867	2.957	3.027
21	2.889	2.880	2.825	2.768	2.772	2.774	2.564	2.480	2.532	2.608	2.669	2.709	2.730	2.755	2.768
22	3.265	3.294	3.168	3.021	3.014	3.012	2.618	2.557	2.621	2.680	2.757	2.905	3.025	3.151	3.237
23	3.063	3.107	3.037	2.911	2.924	2.949	2.736	2.846	2.877	2.924	3.001	3.105	3.197	3.290	3.374
24	4.098	4.101	3.997	3.884	3.869	3.856	3.730	3.701	3.711	3.724	3.749	3.812	3.854	3.934	3.972
25	1.896	1.876	1.934	2.008	2.008	2.004	2.294	2.284	2.235	2.172	2.098	2.014	1.957	1.905	1.865
27	1.978	2.002	2.061	2.122	2.120	2.138	2.330	2.324	2.284	2.229	2.189	2.145	2.143	2.126	2.136

VERSUCHSBALKEN SEIMO 2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 16

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

2	0.028	0.026	0.022	0.023	0.026	0.022	0.085
4	0.106	0.117	0.126	0.124	0.124	0.119	0.168
5	0.149	0.163	0.187	0.251	0.258	0.286	0.187
6	-0.064	-0.060	-0.055	-0.036	-0.024	-0.016	-0.010
7	0.170	0.208	0.248	0.269	0.294	0.311	0.134
8	0.252	0.264	0.277	0.296	0.306	0.329	0.214
9	0.299	0.350	0.423	0.479	0.518	0.547	0.210
11	-0.118	-0.111	-0.101	-0.093	-0.089	-0.071	0.018
16	0.282	0.367	0.439	0.471	0.499	0.525	-0.298
19	-1.231	-1.277	-1.316	-1.332	-1.342	-1.328	-0.716
20	3.067	3.149	3.227	3.271	3.307	3.343	2.488
21	2.772	2.795	2.804	2.797	2.789	2.776	2.454
22	3.309	3.416	3.553	3.629	3.684	3.755	2.547
23	3.416	3.517	3.618	3.698	3.751	3.814	2.905
24	4.008	4.050	4.105	4.117	4.130	4.132	3.711
25	1.835	1.795	1.753	1.722	1.703	1.669	2.242
27	2.162	2.166	2.210	2.254	2.273	2.332	2.265

VERSUCHSBÄCKEN SETMQ2 GEPRÜFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 17

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

20	2.326	2.395	2.480	2.555	2.602	2.589	2.654	2.663	2.709	2.738	2.781	2.821	2.877	2.930	3.016
21	2.014	2.067	2.147	2.237	2.271	2.237	2.301	2.305	2.357	2.381	2.416	2.450	2.486	2.541	2.610
22	2.557	2.621	2.686	2.755	2.793	2.787	2.823	2.850	2.869	2.890	2.922	2.957	3.002	3.073	3.145
23	3.856	3.861	3.863	3.867	3.873	3.823	3.837	3.846	3.854	3.863	3.882	3.917	3.930	3.945	3.960
24	3.762	3.764	3.766	3.774	3.778	3.747	3.764	3.774	3.783	3.793	3.808	3.835	3.856	3.871	3.888

VERSUCHSBALKEN SETHQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 17

BELASTUNGSGRAD M/MU

MESSTELLE	0.916	0.959	1.000	1.000	1.000	1.000	0.000
	1	1	3	4	5	6	3

20	3.077	3.162	3.240	3.280	3.311	3.324	2.484
21	2.517	2.564	2.587	2.591	2.587	2.574	2.069
22	3.029	3.107	3.216	3.282	3.332	3.406	2.578
23	3.995	3.989	4.018	4.044	4.056	4.090	3.854
24	3.876	3.890	3.911	3.913	3.917	3.911	3.745

VERSUCHSBALKEN SETHQ 2 GEPRÜFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 18

BELASTUNGSGRAD M/MU

MESSTELLE 0.000 0.167 0.335 0.500 0.584 0.584 0.667 0.708 0.749 0.792 0.833 0.875 0.916 0.959 1.000

1

2	0.062	0.044	0.028	0.044	0.056	0.028	0.042	0.047	0.051	0.054	0.068	0.082	0.095	0.101	0.107
4	0.061	0.068	0.081	0.102	0.114	0.088	0.104	0.112	0.115	0.118	0.139	0.160	0.201	0.400	0.446
5	0.016	0.020	0.030	0.052	0.063	0.026	0.045	0.052	0.057	0.061	0.080	0.102	0.251	0.444	0.491
6	0.034	0.049	0.072	0.118	0.155	0.159	0.226	0.253	0.282	0.309	0.368	0.427	0.502	0.580	0.622
7	1.405	1.416	1.434	1.472	1.502	1.483	1.529	1.547	1.561	1.573	1.608	1.635	1.670	1.708	1.740
8	-0.002	-0.002	0.000	0.007	0.012	-0.020	-0.010	-0.007	-0.007	-0.008					
9	0.000	0.000	-0.004	-0.008	-0.007	-0.046	-0.040	-0.038	-0.040	-0.046	-0.043	-0.042	-0.041	-0.040	-0.035
20	2.338	2.383	2.435	2.475	2.505	2.450	2.498	2.494	2.526	2.538	2.555	2.572	2.593	2.642	2.682
21	2.522	2.564	2.606	2.642	2.661	2.614	2.650	2.644	2.671	2.682	2.692	2.705	2.722	2.749	2.778
22	2.511	2.541	2.564	2.593	2.608	2.562	2.578	2.595	2.600	2.602	2.612	2.626	2.640	2.656	2.671
23	4.069	4.065	4.056	4.058	4.065	3.993	4.016	4.021	4.018	4.010	4.025	4.037	4.031	4.033	4.042
24	3.515	3.509	3.505	3.503	3.501	3.465	3.471	3.475	3.473	3.473	3.484	3.505	3.520	3.522	3.530

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMittelTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 18

BELASTUNGSGRAD M/MU

MESSTELLE	1.000 1	1.000 2	0.833 1	0.667 1	0.667 2	0.667 3	0.000 1	0.000 2	0.167 1	0.333	0.500 1	0.667 4	0.749 1	0.833 2	0.875 1
2	0.113	0.128	0.139	0.134	0.137	0.138	0.131	0.110	0.099	0.102	0.112	0.121	0.126	0.135	0.137
4	0.468	0.479	0.446	0.384	0.384	0.383	0.205	0.193	0.202	0.223	0.273	0.356	0.403	0.452	0.480
5	0.510	0.509	0.457	0.384	0.381	0.383	0.194	0.198	0.210	0.229	0.276	0.362	0.407	0.457	0.478
6	0.645	0.683	0.622	0.534	0.537	0.535	0.197	0.174	0.202	0.294	0.403	0.508	0.561	0.618	0.650
7	1.761	1.778	1.754	1.714	1.712	1.711	1.536	1.519	1.538	1.590	1.646	1.700	1.718	1.751	1.766
9	-0.031	-0.016	-0.011	-0.008	-0.004	-0.004	0.002	-0.013	-0.015	-0.012	-0.009	-0.006	-0.011	-0.006	-0.005
20	2.690	2.694	2.658	2.604	2.610	2.614	2.416	2.341	2.378	2.442	2.503	2.557	2.591	2.629	2.658
21	2.781	2.778	2.749	2.709	2.711	2.715	2.581	2.513	2.541	2.591	2.633	2.669	2.692	2.720	2.743
22	2.675	2.673	2.644	2.612	2.612	2.610	2.501	2.461	2.490	2.515	2.541	2.572	2.591	2.610	2.616
23	4.048	4.052	4.052	4.052	4.052	4.052	4.046	4.010	4.012	4.010	4.016	4.004	4.004	4.008	4.014
24	3.536	3.543	3.534	3.526	3.526	3.522	3.494	3.471	3.465	3.471	3.488	3.503	3.507	3.517	3.522

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE STAHLDEHNUNGEN IN PROMILLE IM SCHNITT 18

BELASTUNGSGRAD M/MU

MESSTELLE 0.916 0.959 1.000 1.000 1.000 1.000 0.000
1 1 3 4 5 6 3

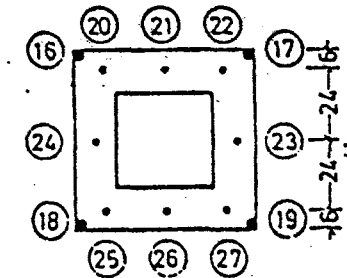
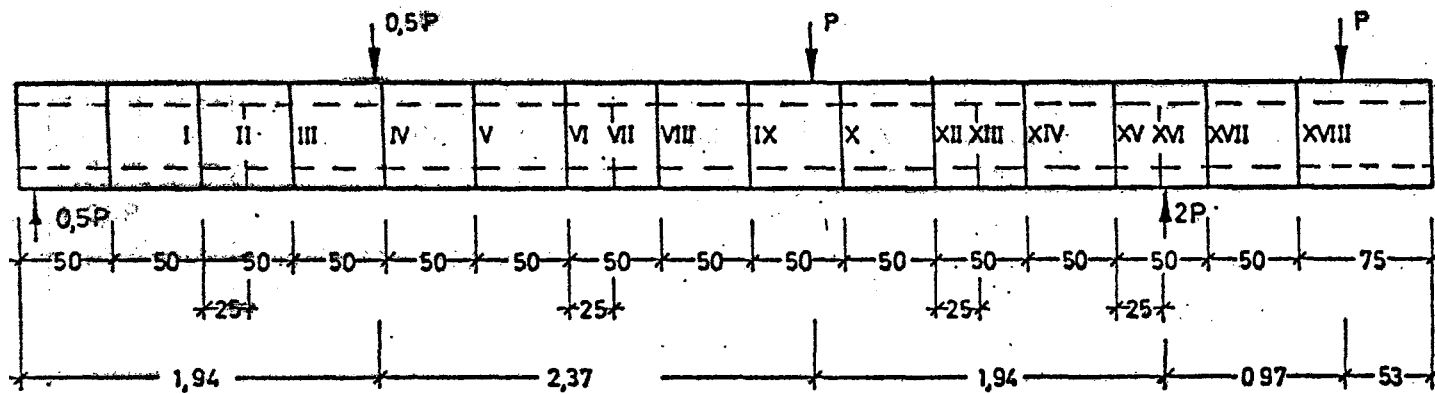
2	0.142	0.149	0.163	0.171	0.173	0.185	0.143
4	0.508	0.542	0.577	0.591	0.596	0.621	0.209
5	0.498	0.516	0.533	0.530	0.518	0.523	0.229
6	0.679	0.714	0.752	0.770	0.776	0.798	0.199
7	1.788	1.799	1.818	1.829	1.813	1.810	1.533
9	-0.005	-0.001	0.000	0.004	0.005	0.012	0.002
20	2.669	2.705	2.730	2.745	2.751	2.764	2.393
21	2.745	2.772	2.785	2.791	2.795	2.795	2.555
22	2.627	2.637	2.644	2.646	2.646	2.652	2.482
23	4.012	4.016	4.021	4.016	4.014	4.023	4.021
24	3.530	3.534	3.543	3.547	3.549	3.549	3.473

D

Dehnungen der Bewehrung
(graphische Form)

Längsschlehnungen des Balkens SETM Q2

Schnitt I



Meßquerschnitt

Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENNUMMER

23

26

27

M/MU

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

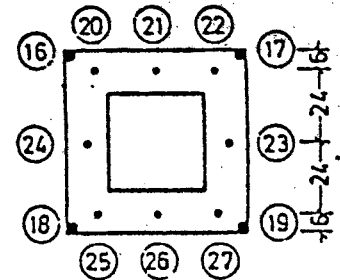
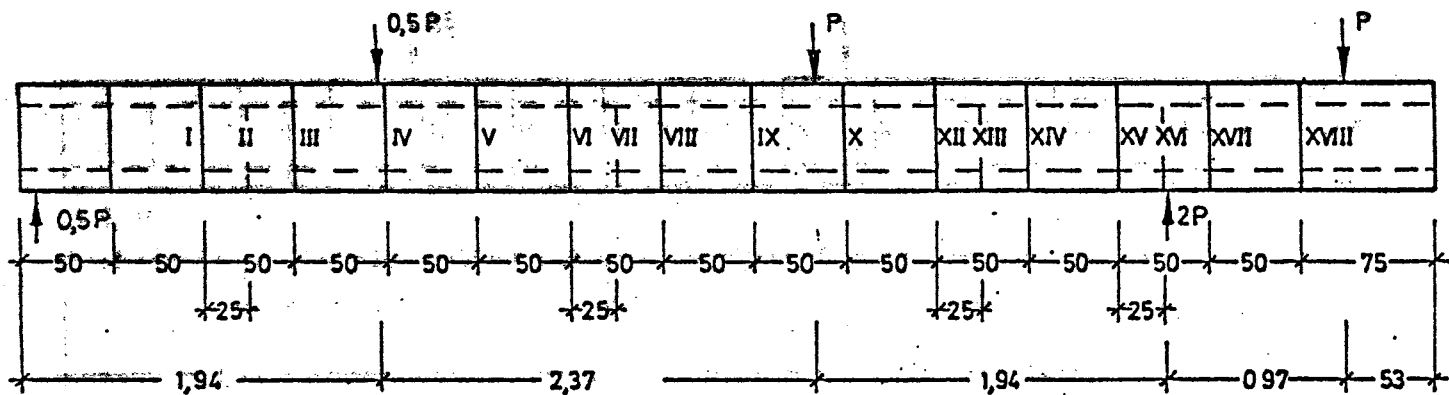
0 1 2 3

0 1 2 3

0 1 2 3

Längsziehdehnungen des Balkens SETM Q2

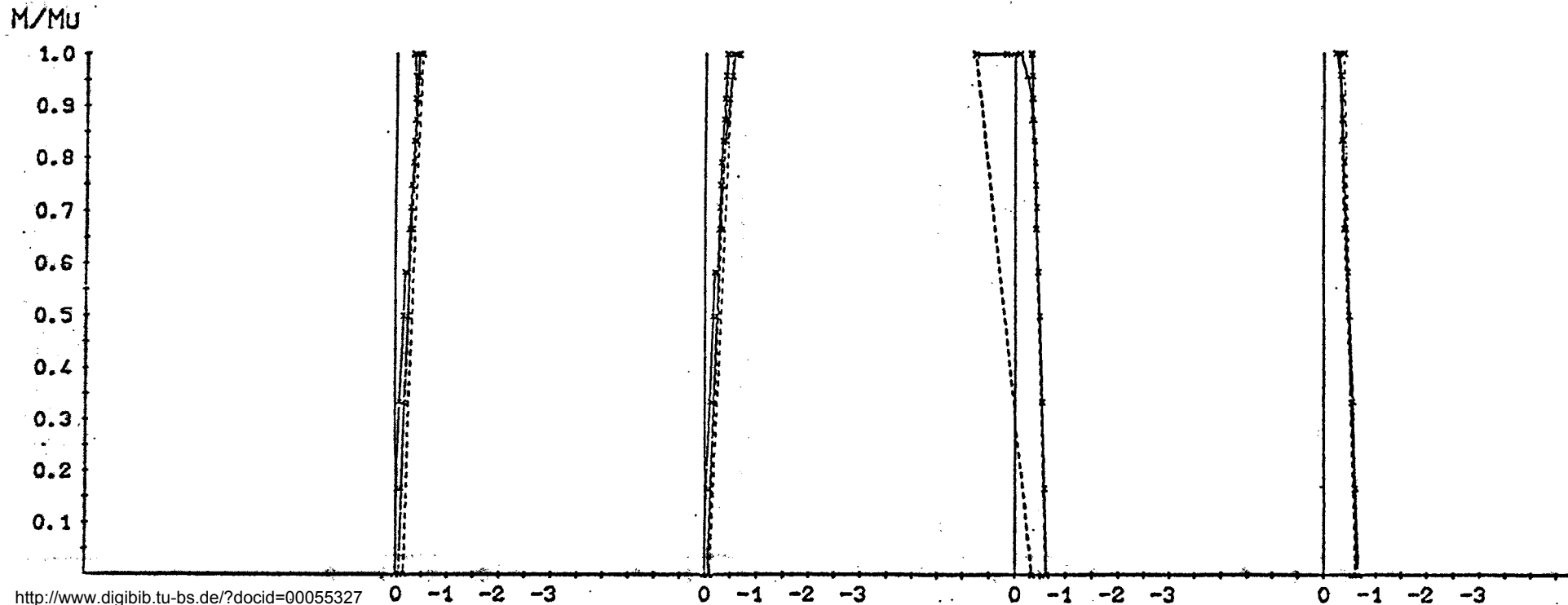
Schnitt II



Meßquerschnitt

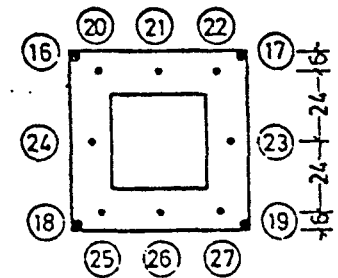
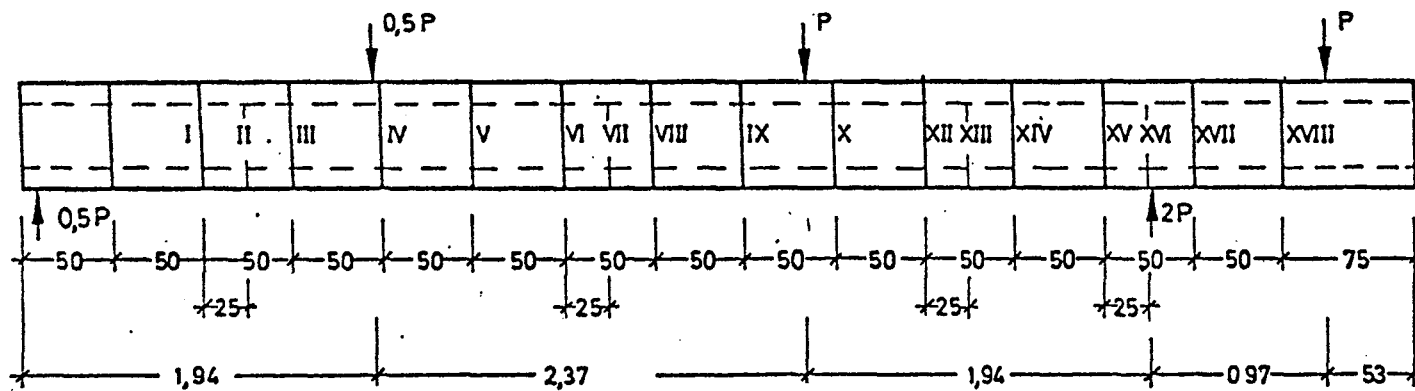
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENNUMMER 16 17 18 19



Längssteeldehnungen des Balkens SETM Q2

Schnitt II



Meßquerschnitt
 Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENNUMMER

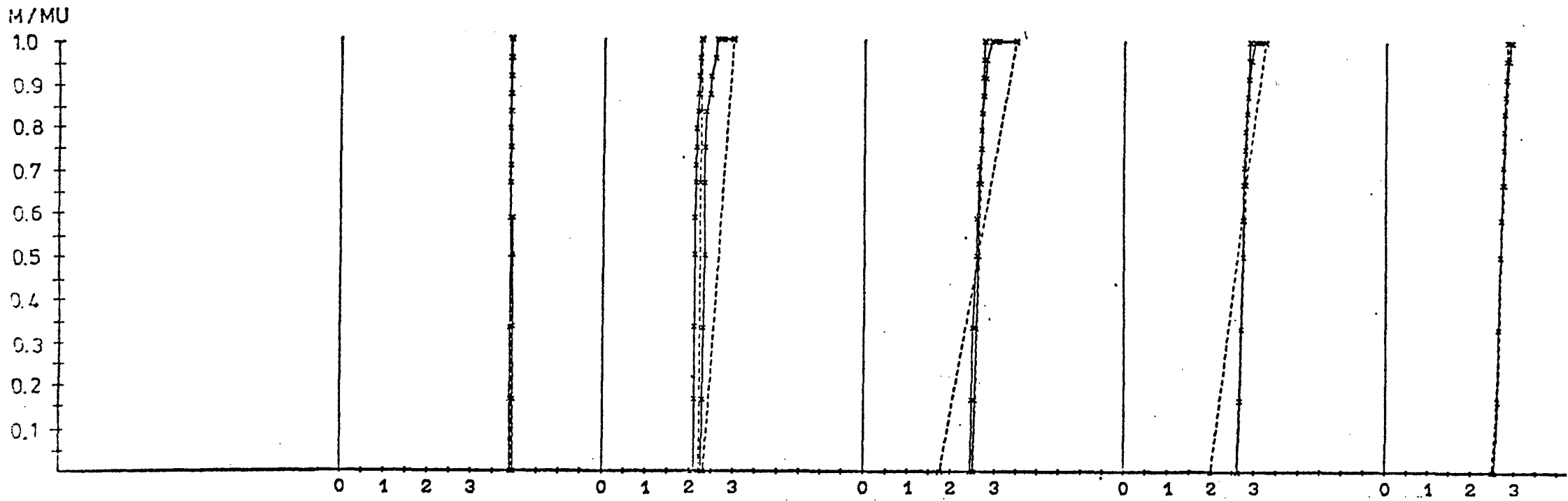
23

24

25

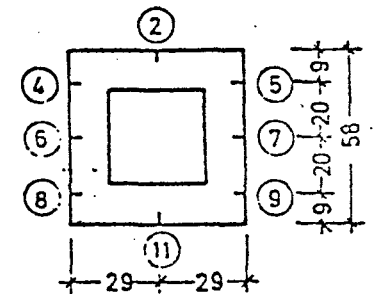
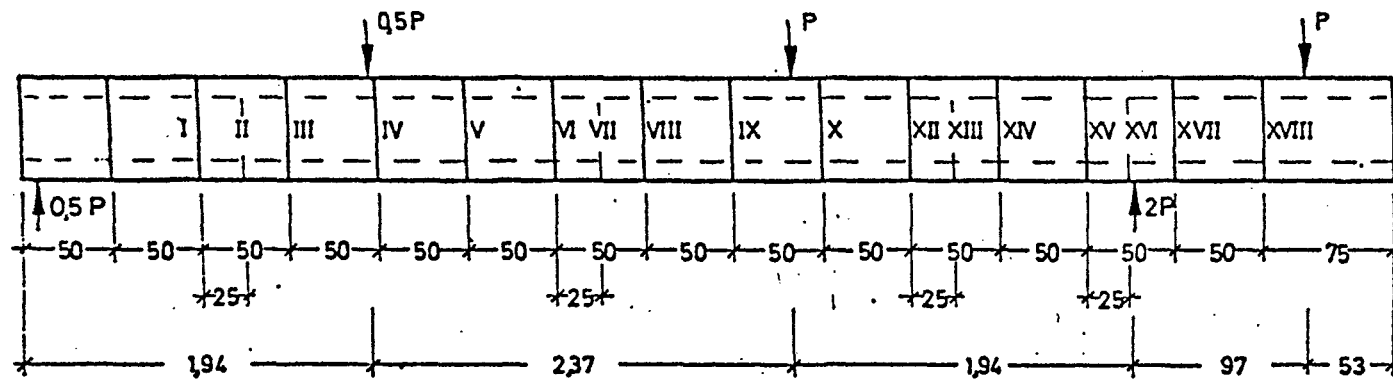
26

27

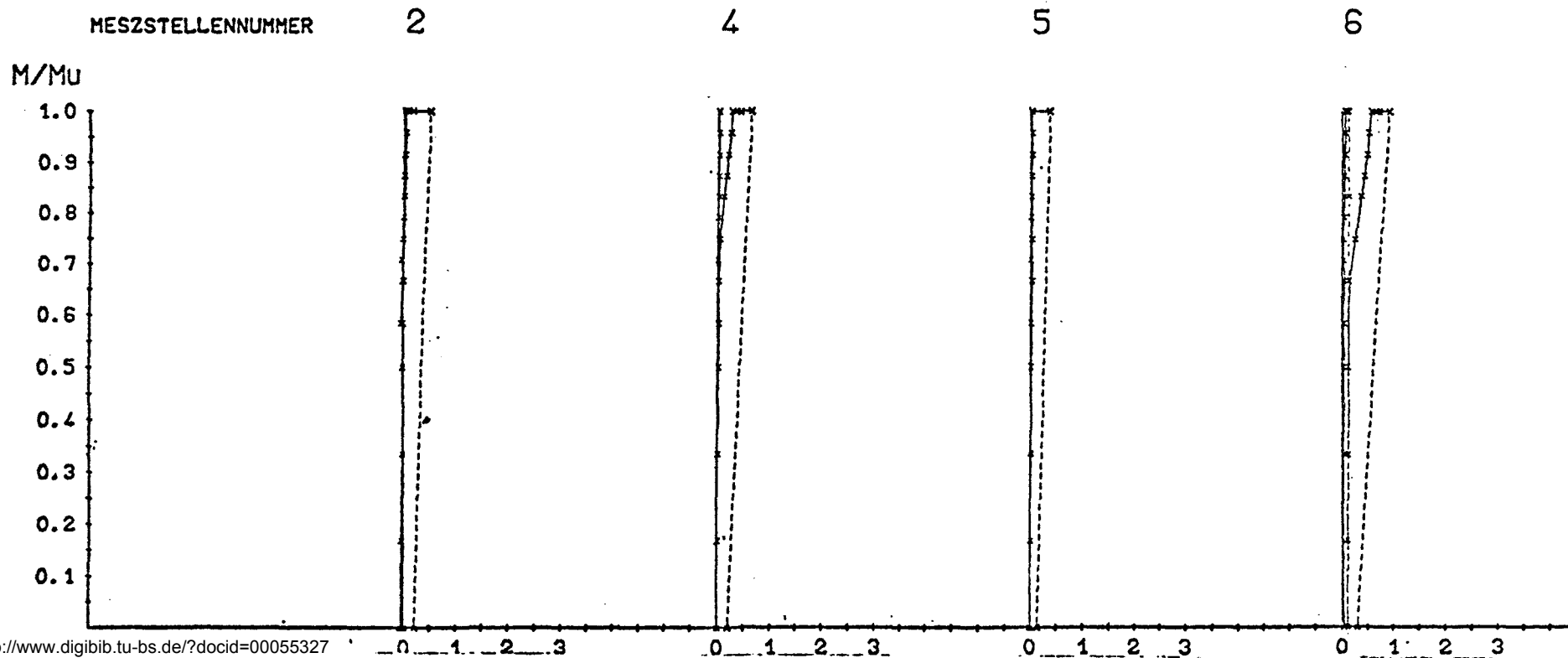


Bügeldehnungen des Balkens SETM Q2

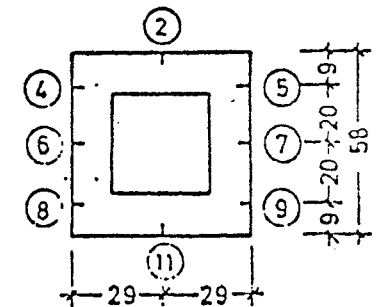
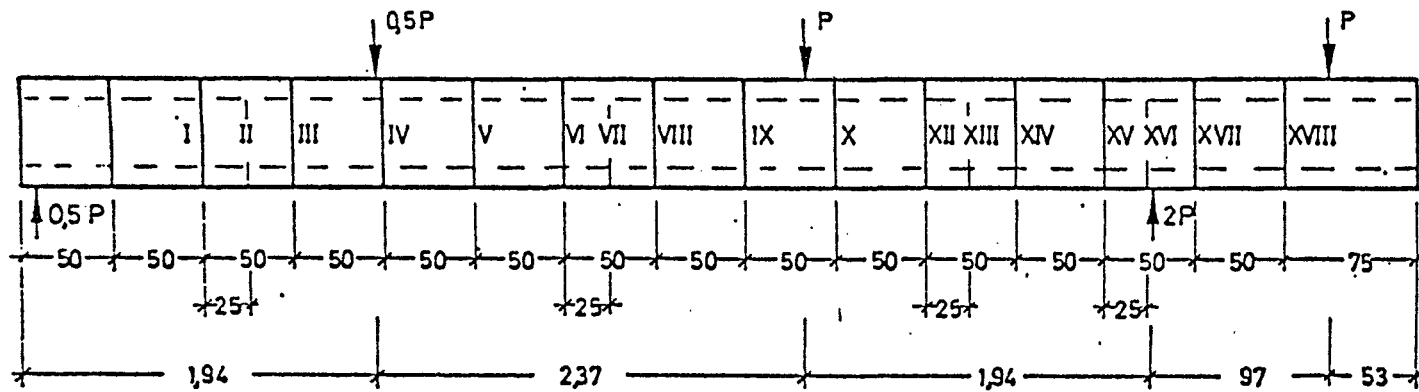
Schnitt II



Meßquerschnitt
Meßstellen für Bügel



Schnitt II



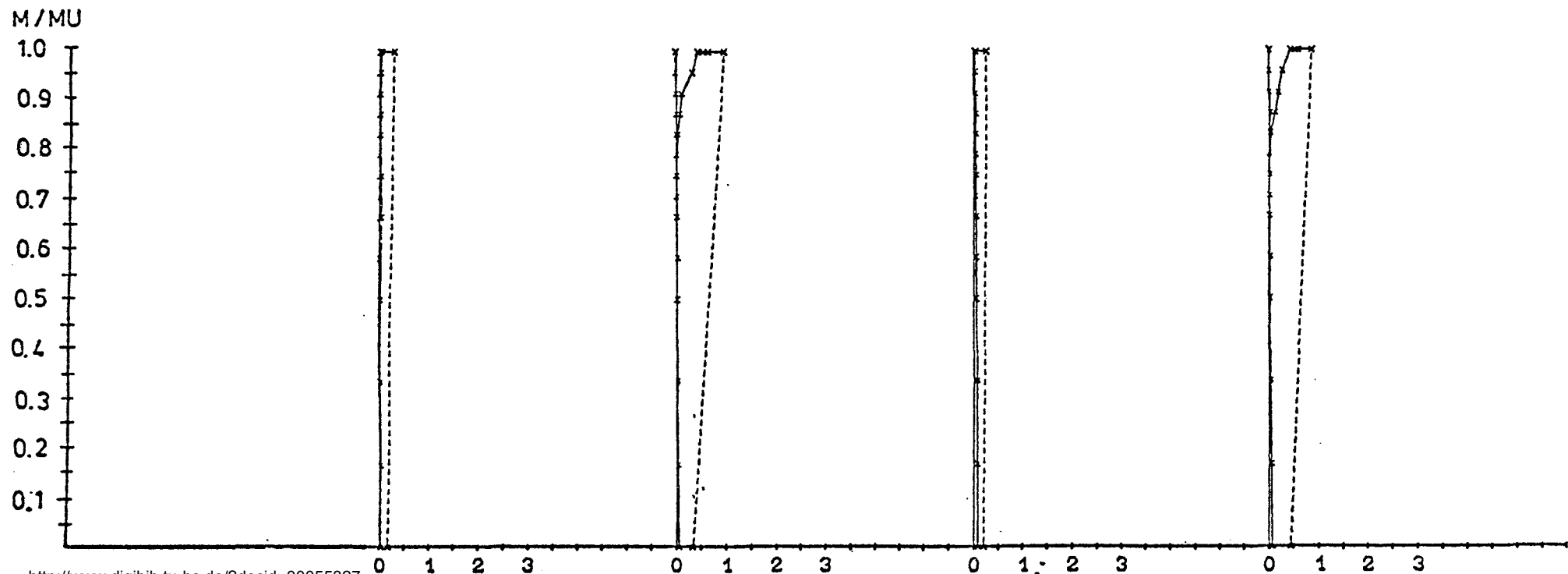
Meßquerschnitt
Meßstellen für Bügel

MESZSTELLENNUMMER 7

8

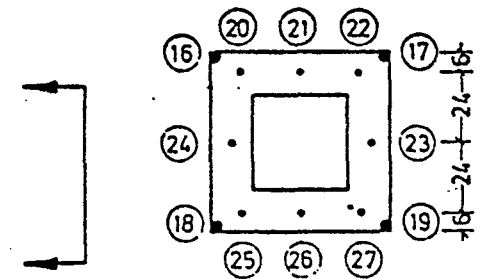
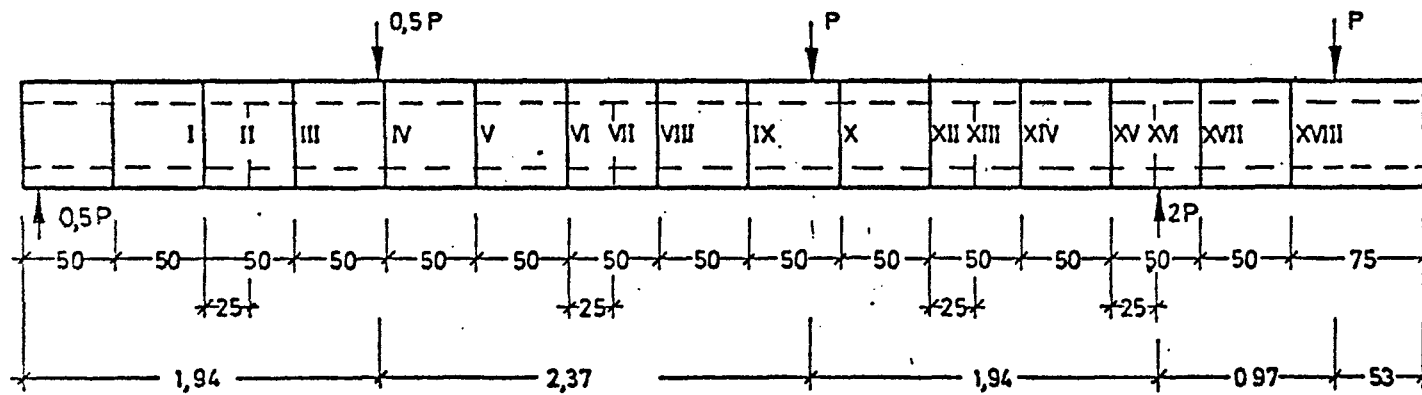
9

11

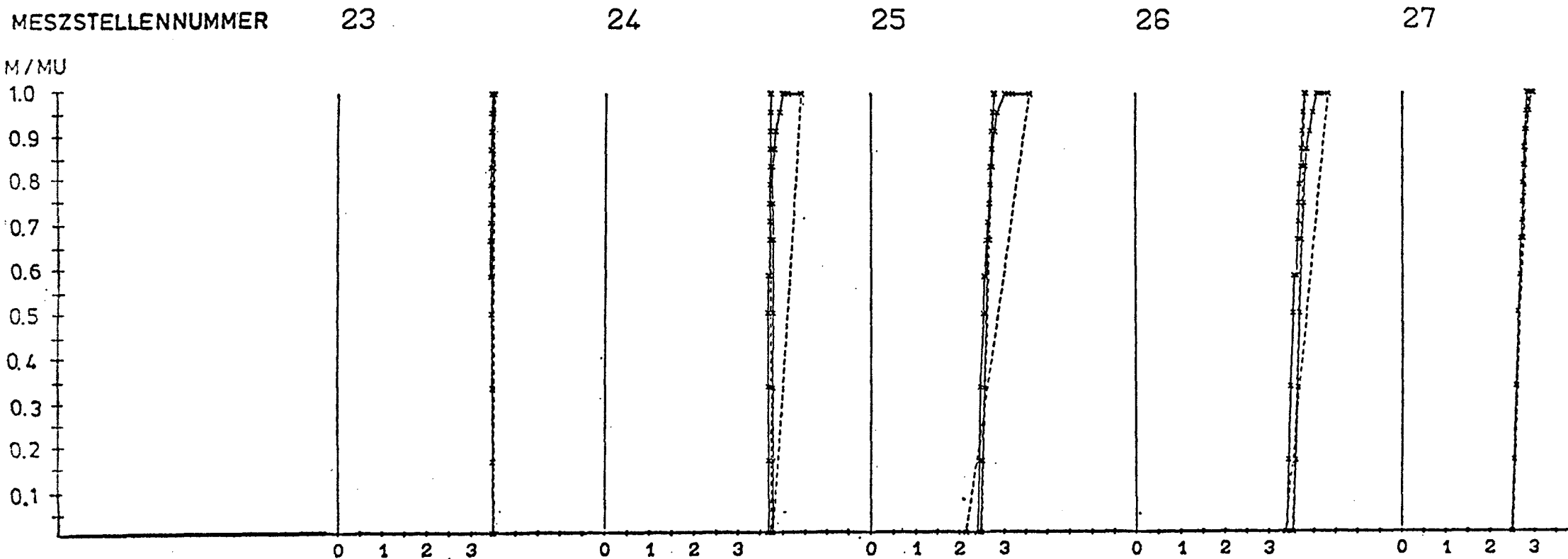


Längsstahldehnungen des Balkens SETM Q2

Schnitt III

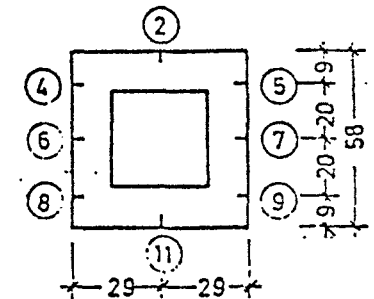
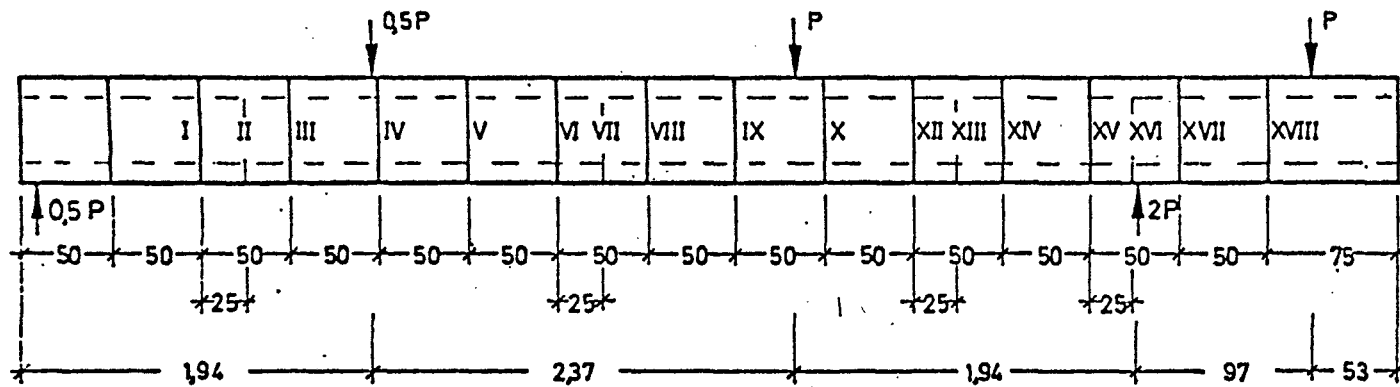


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

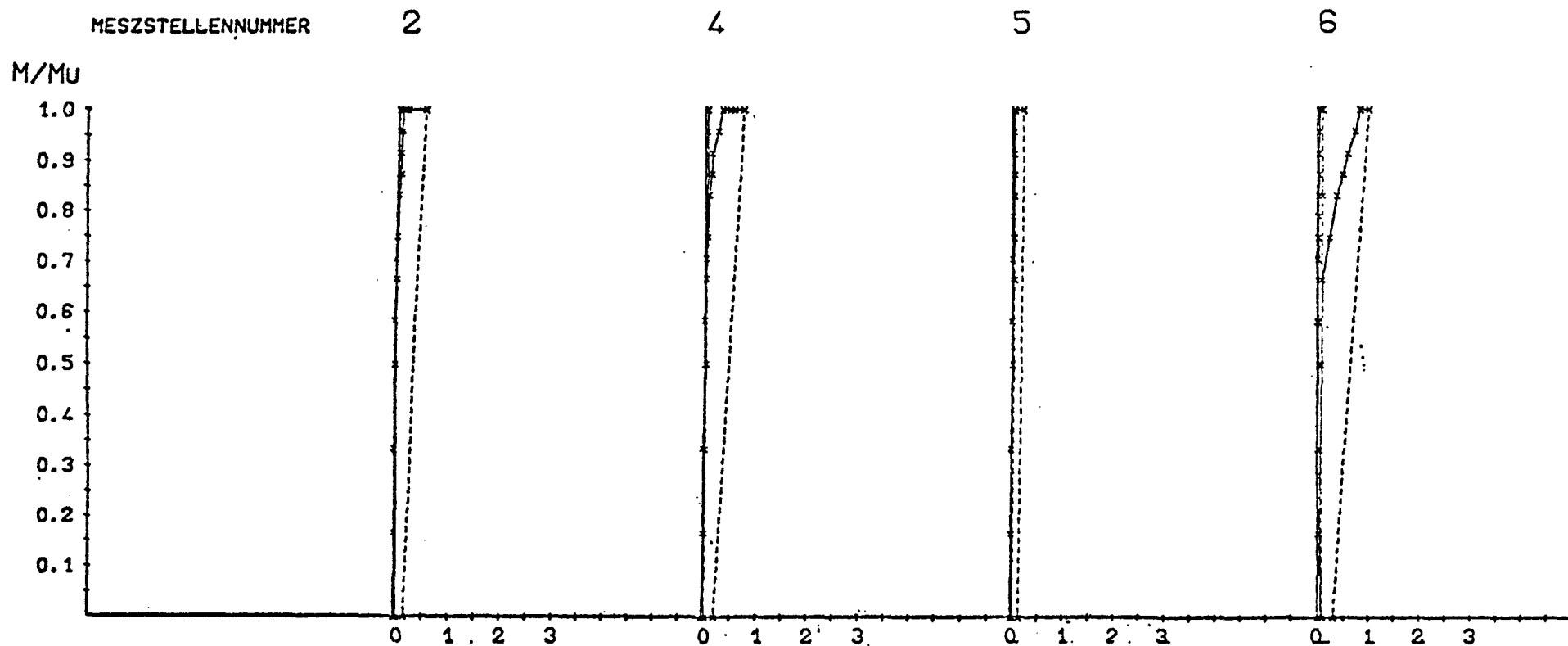


Bügeldehnungen des Balkens SETM Q2

Schnitt III

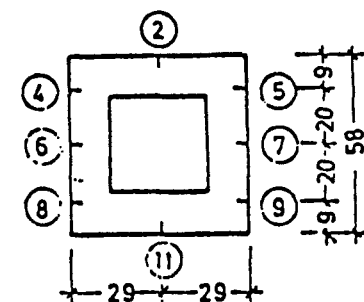
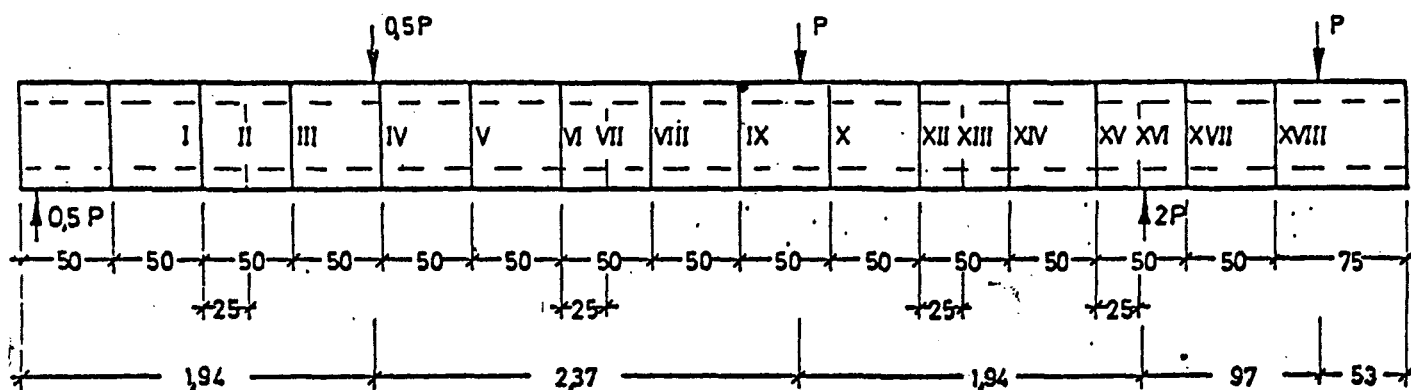


Meßquerschnitt
Meßstellen für Bügel



Bügeldehnungen des Balkens SETM Q2

Schnitt III



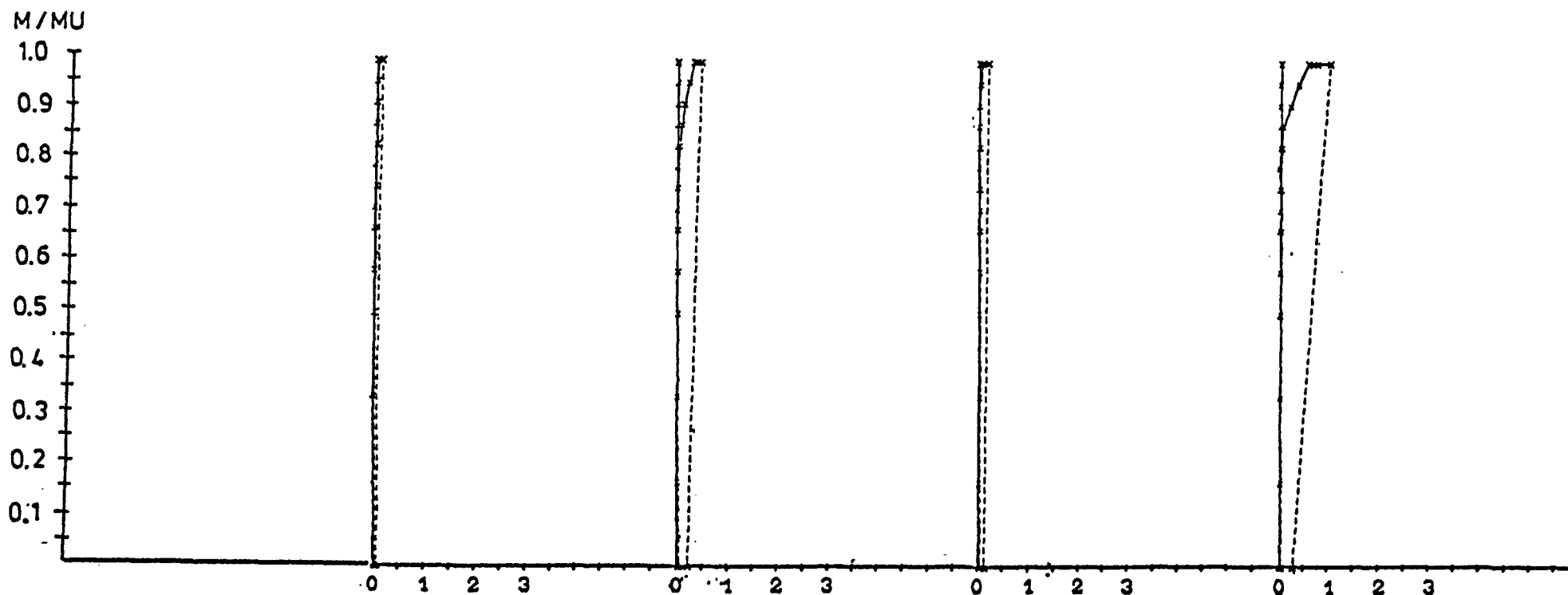
Meßquerschnitt
Meßstellen für Bügel

MESZSTELLENNUMMER 7

8

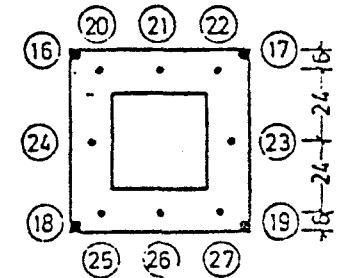
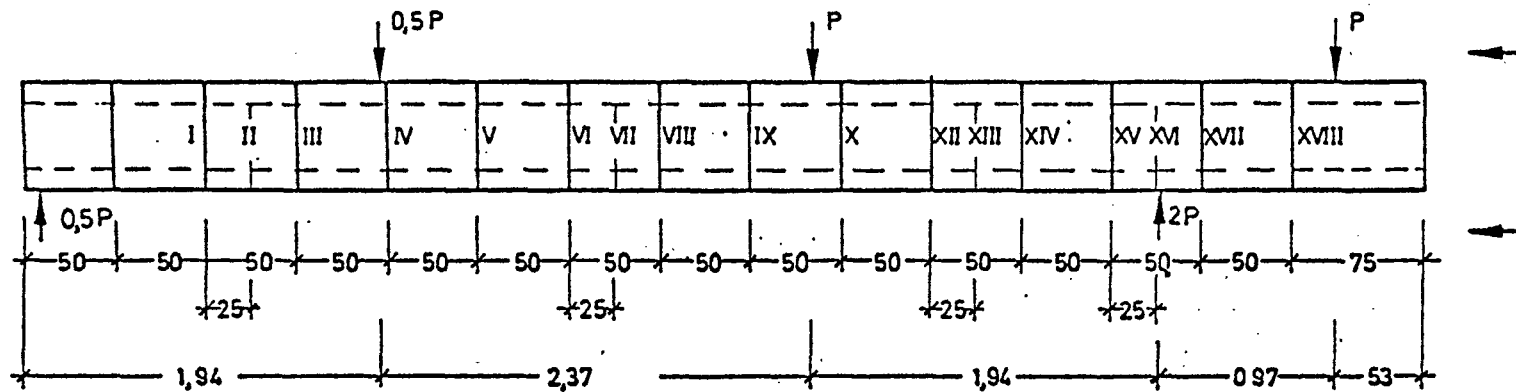
9

11

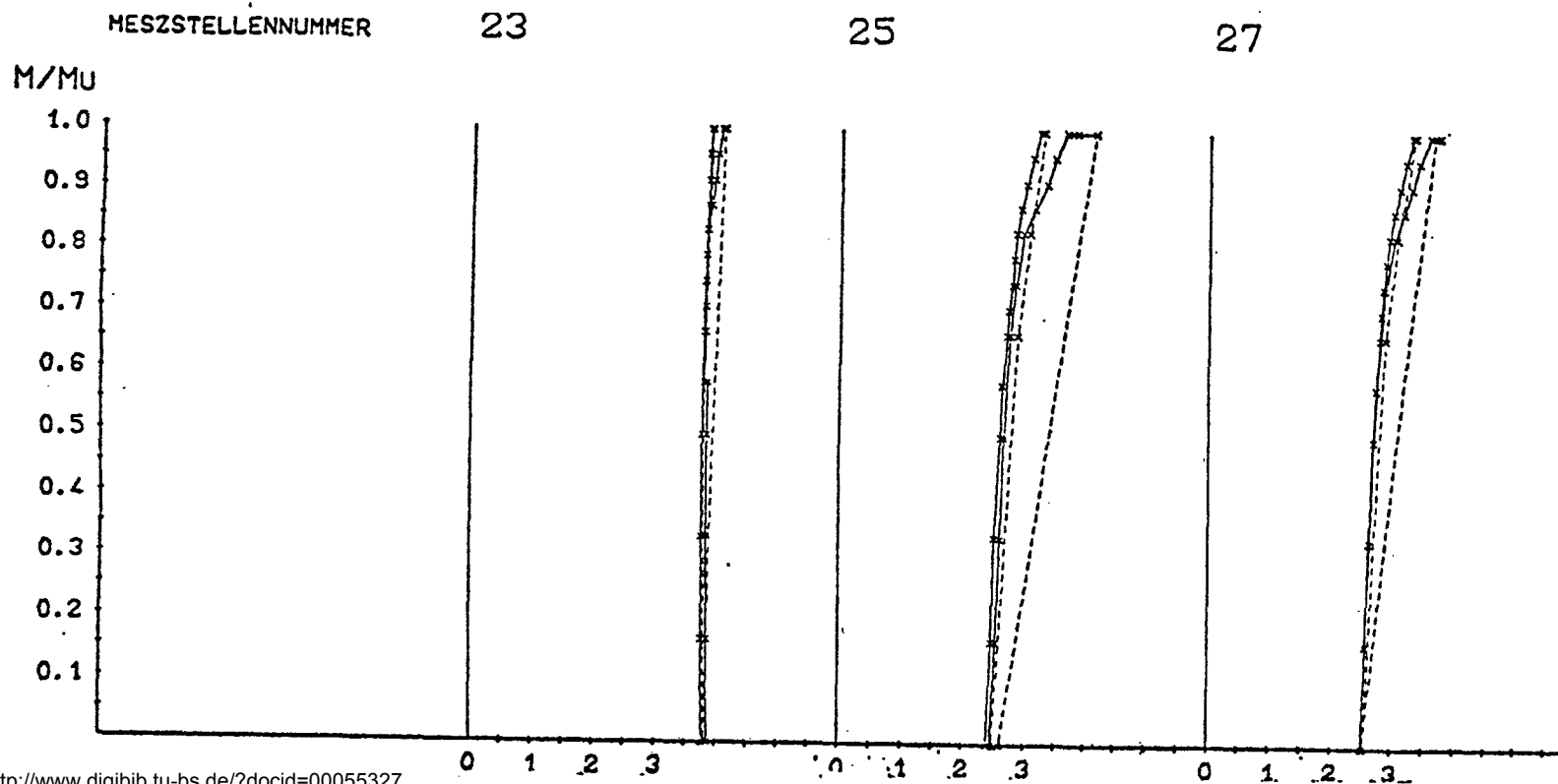


Längsstahldehnungen des Balkens SETM Q2

Schnitt IV

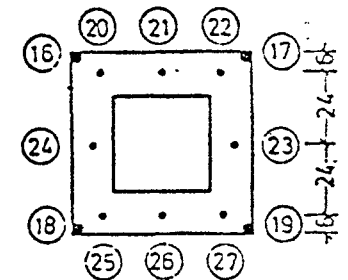
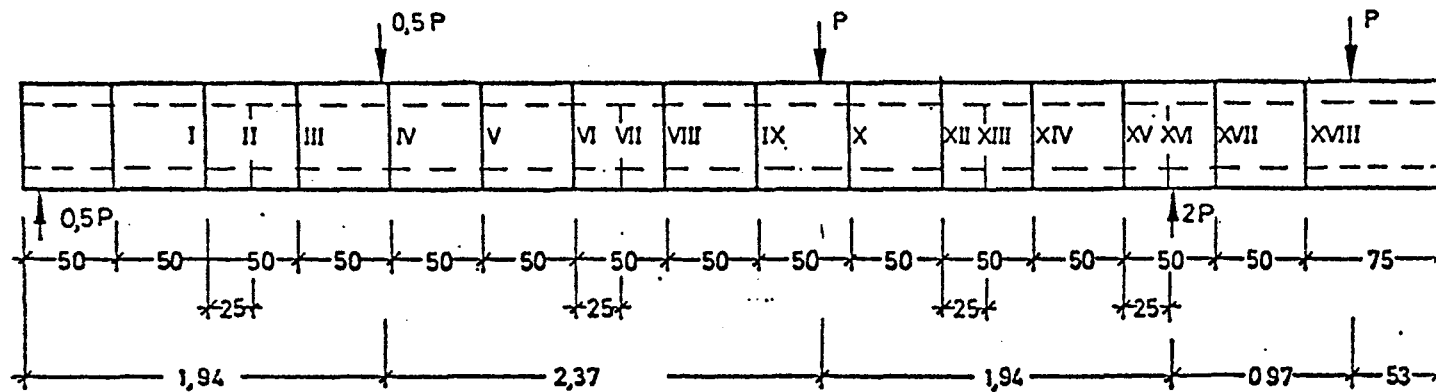


Meßquerschnitt
 Meßstellen für Längs-
 bewehrung (16-19) und
 Spannglieder (20-27)



Längsstahldehnungen des Balkens SETM Q2

Schnitt .V



MESZSTELLENNUMMER

23

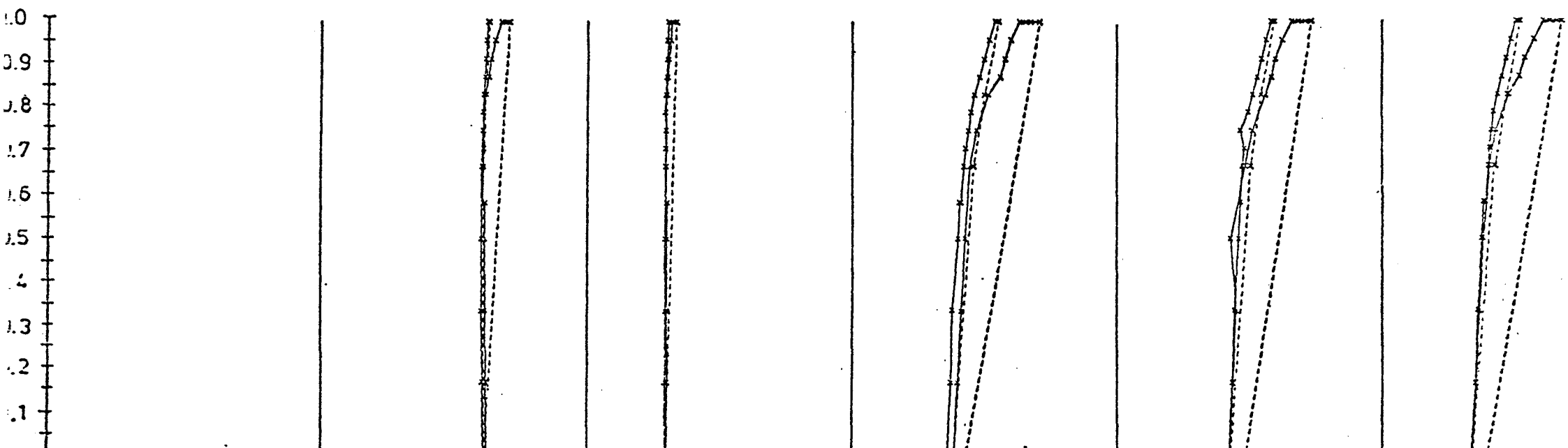
24

25

26

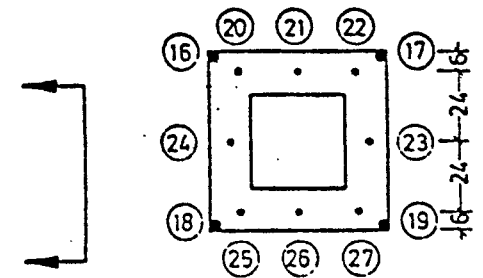
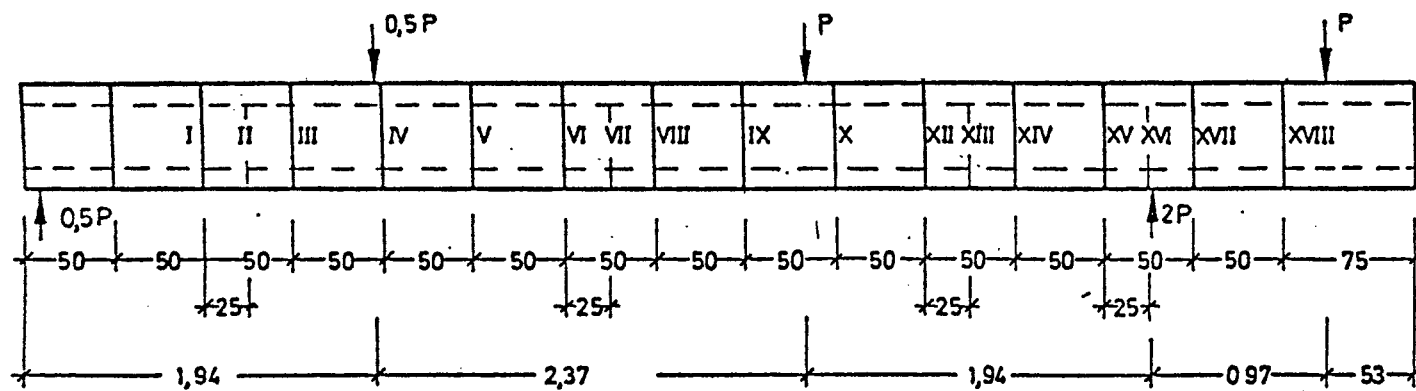
27

4/MU



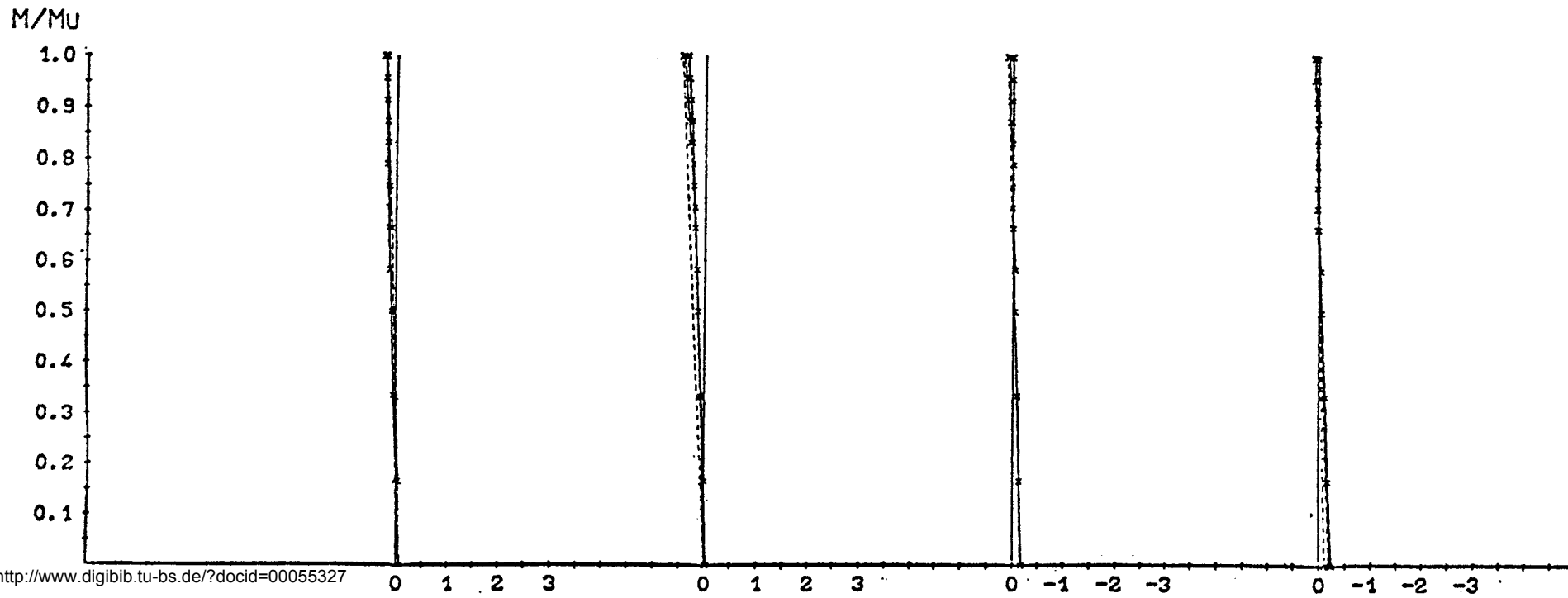
Längsstahldehnungen des Balkens SETM Q2

Schnitt VI

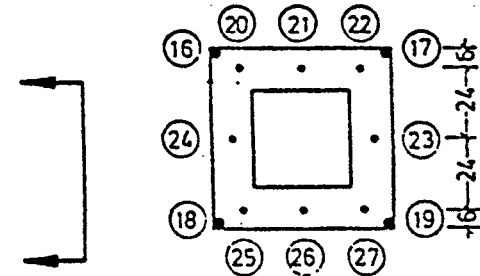
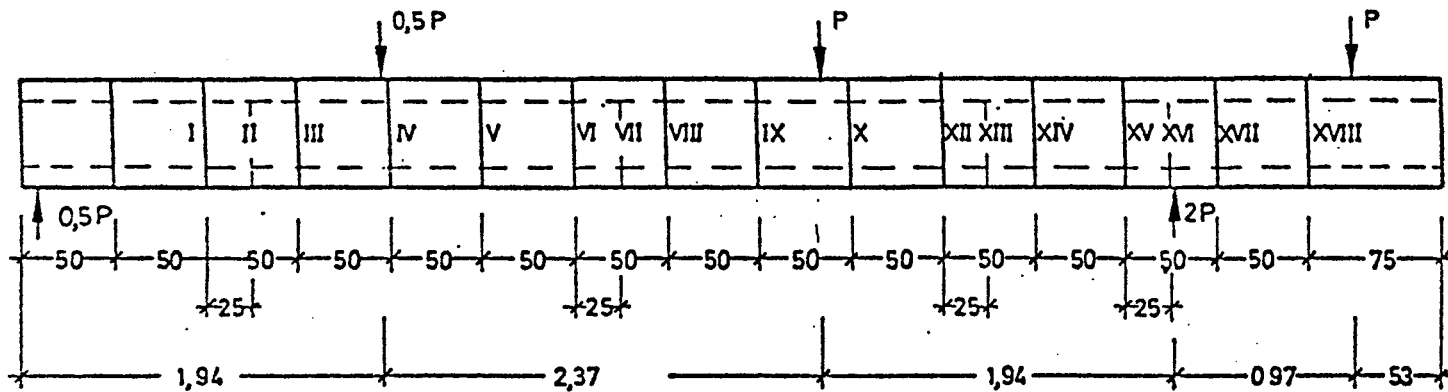


Meßquerschnitt
Meßstellen für Längsbewehrung (16)-(19) und Spannglieder (20)-(27)

MESZSTELLENNUMMER 16 17 18 19



Längsstahldehnungen des Balkens SETM Q2 Schnitt VI



Meßquerschnitt
Meßstellen für Längs-
bewehrung (16-19) und
Spannglieder (20-27)

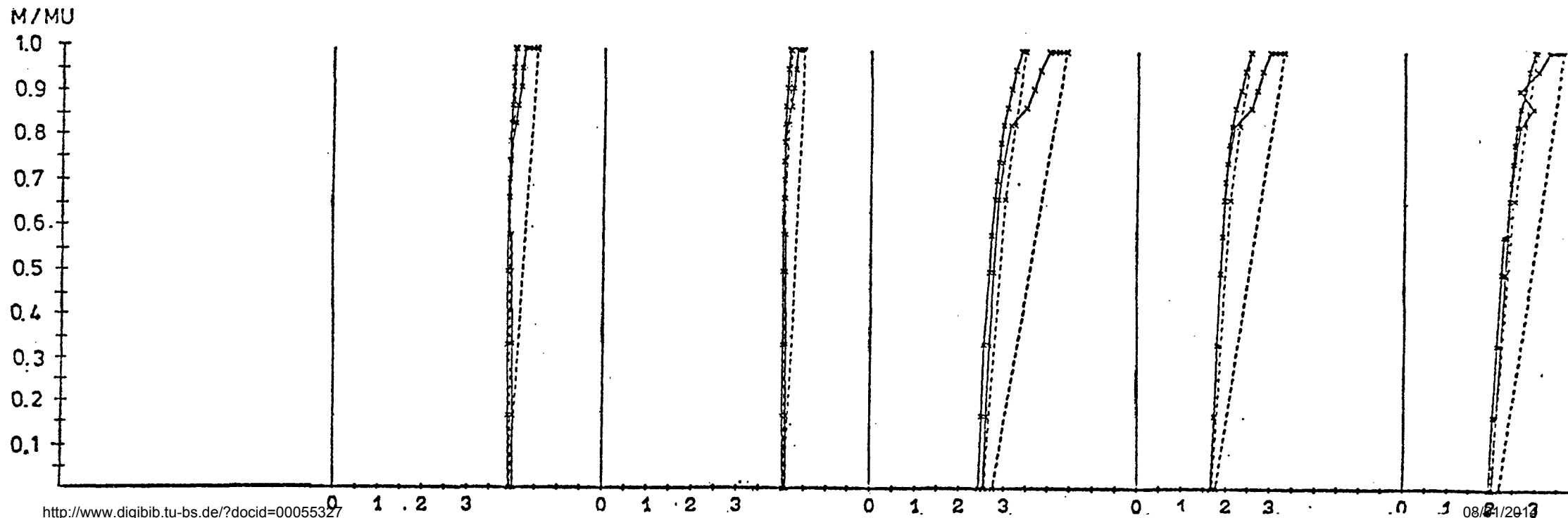
MESZSTELLENNUMMER 23

24

25

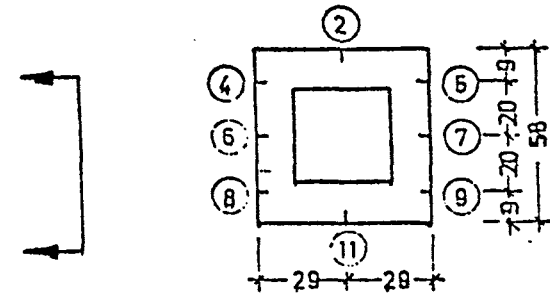
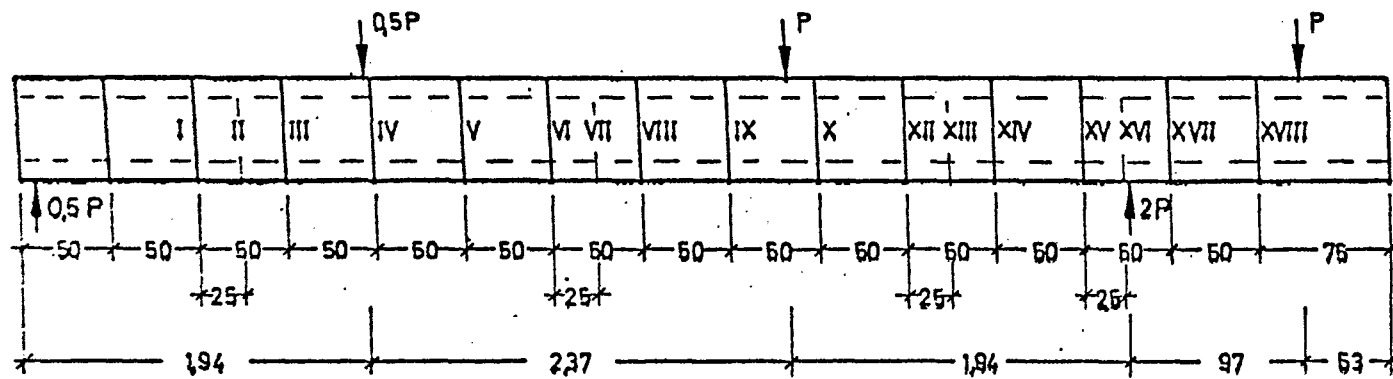
26

27

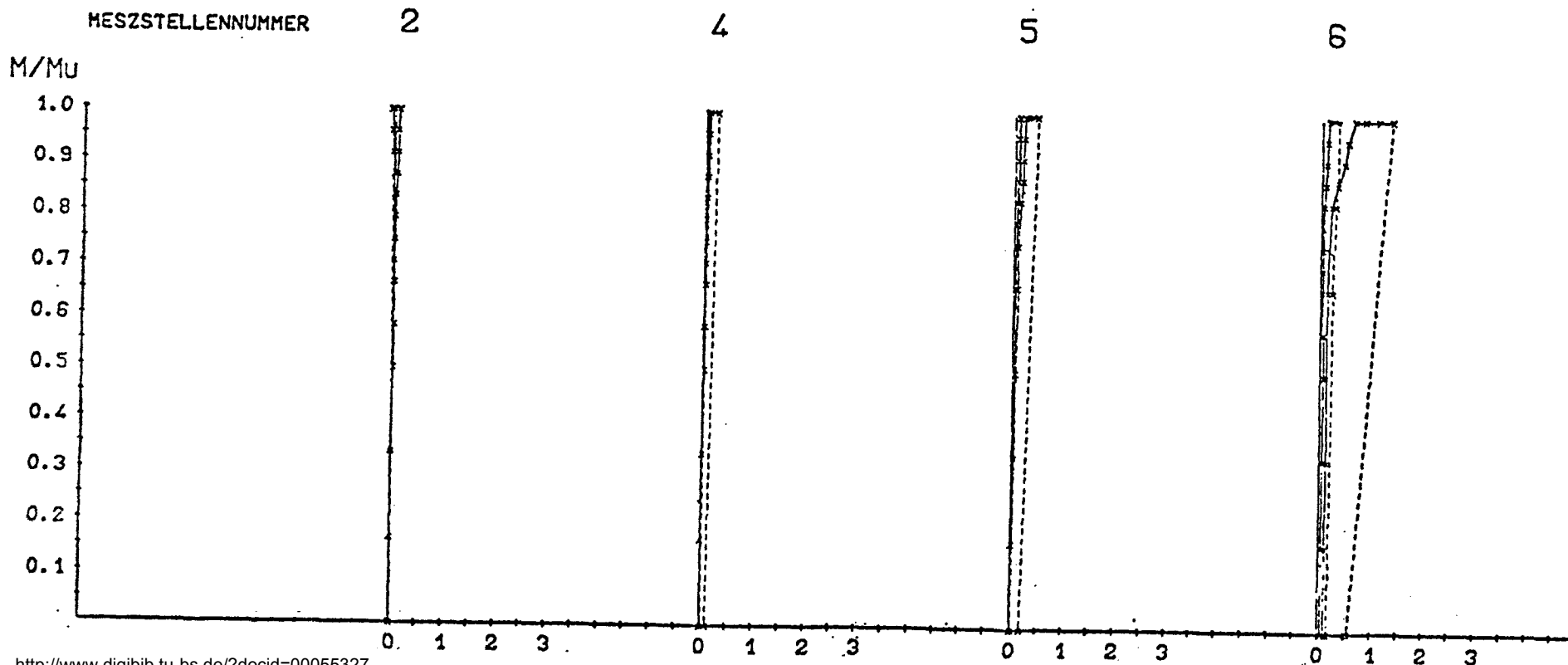


Bügelanordnungen des Balkens SEI-M Q2

Schnitt VI

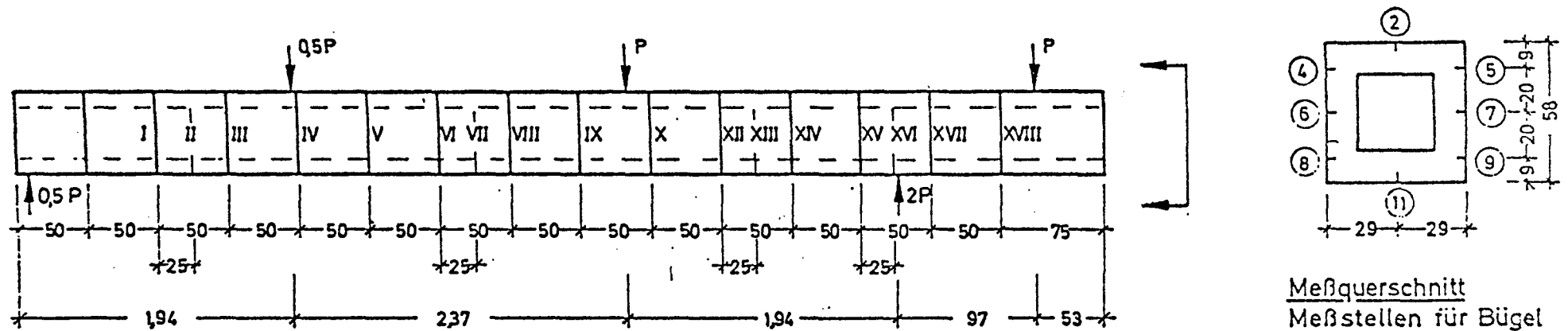


Meßquerschnitt
Meßstellen für Bügel



Bügeldehnungen des Balkens SETM'Q2

Schnitt VI



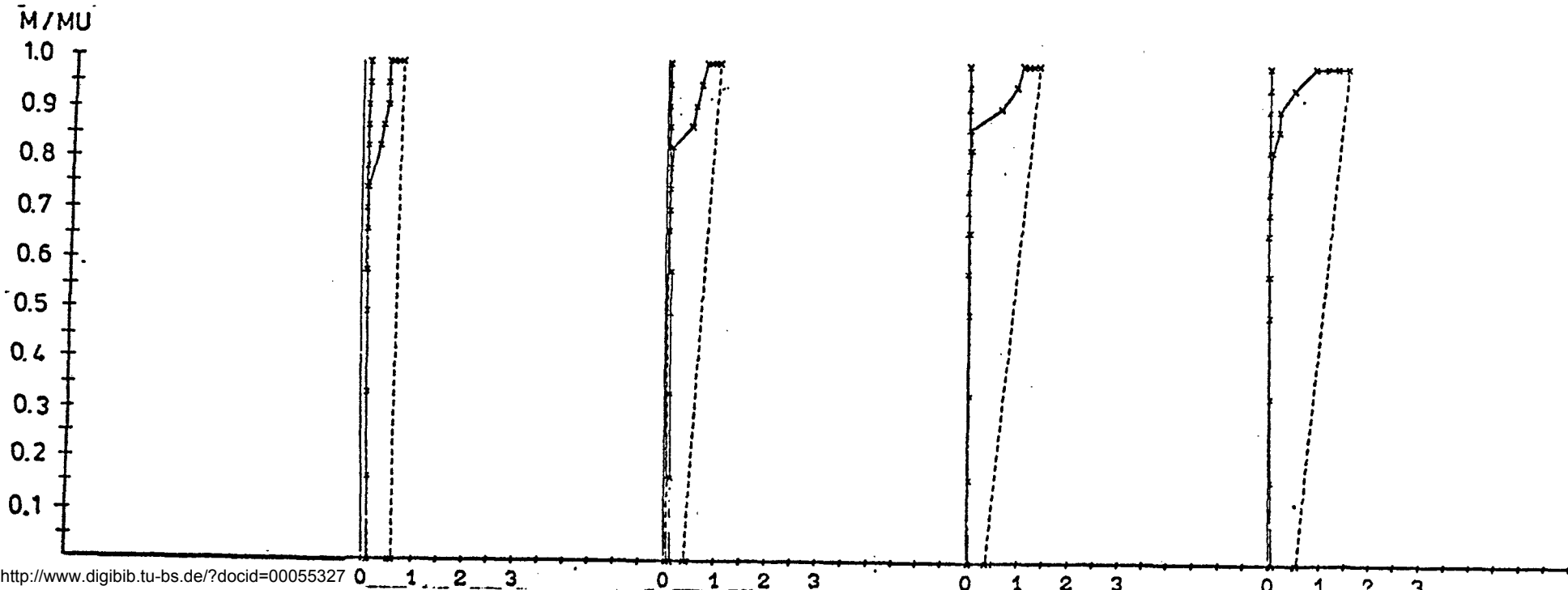
MESZSTELLENNUMMER

7

8

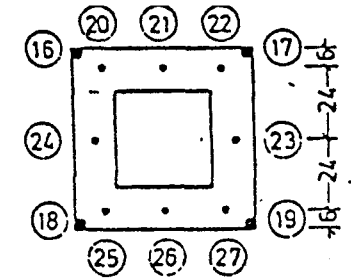
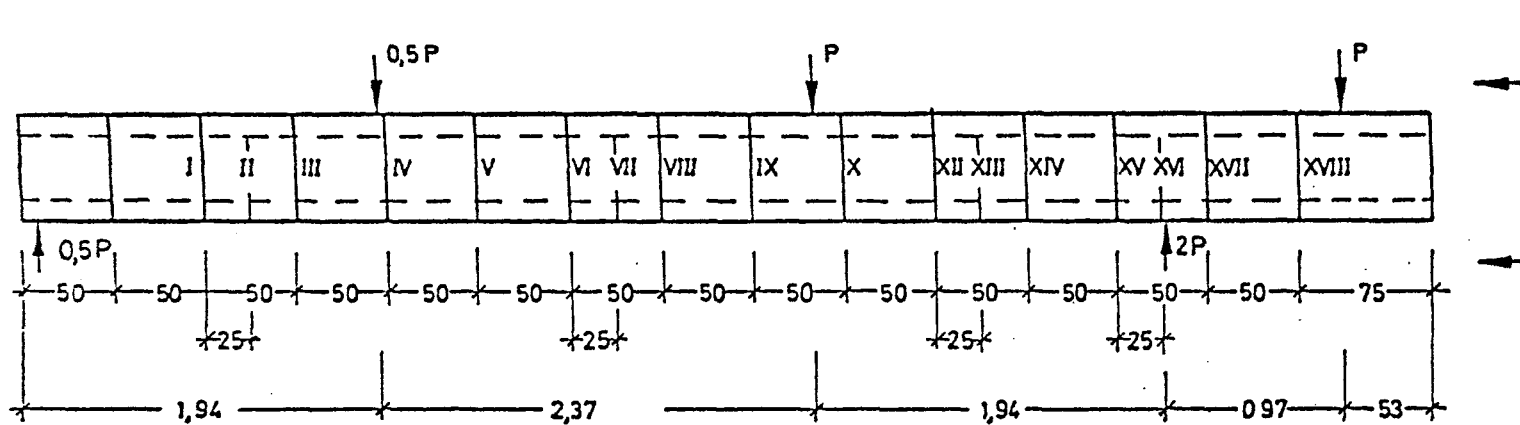
9

11

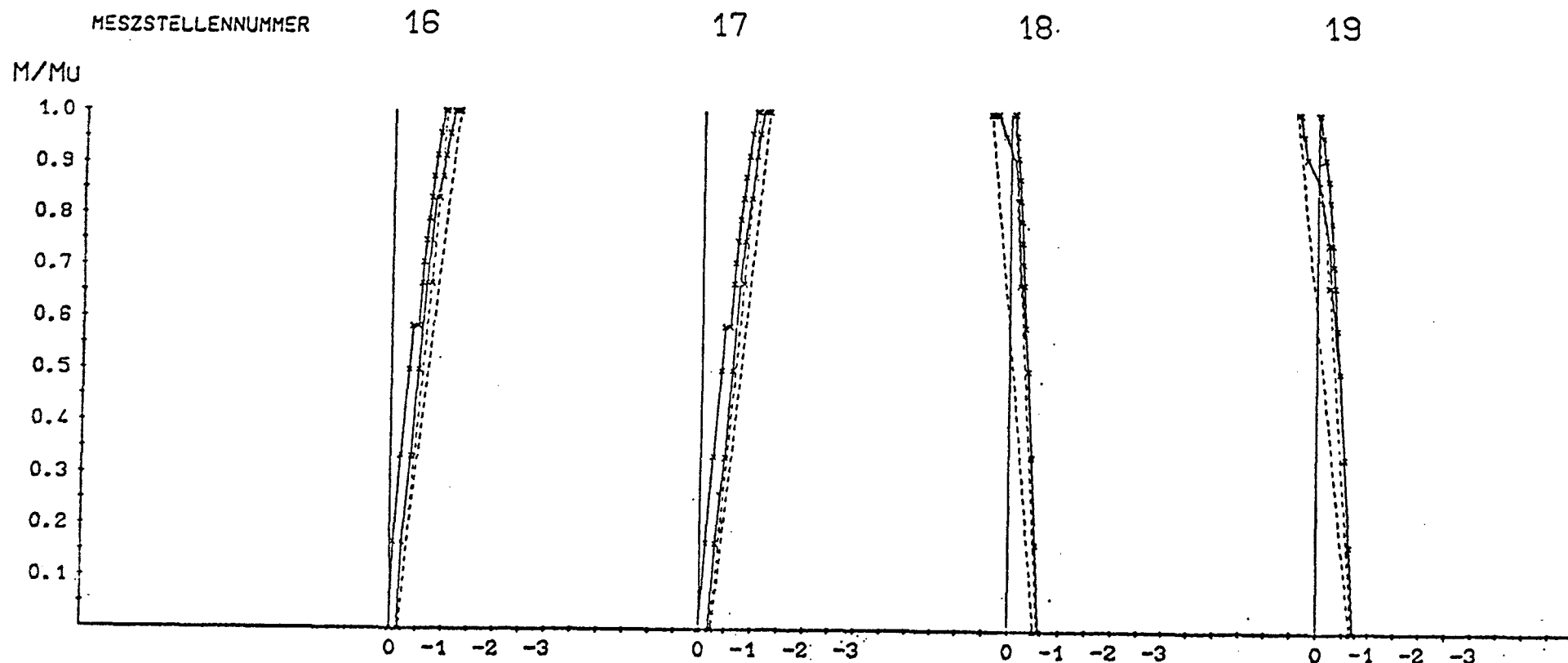


Längsstahldehnungen des Balkens SETM Q2

Schnitt VII

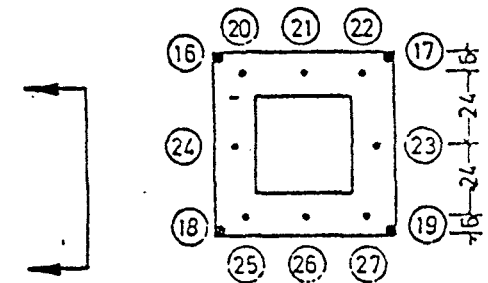
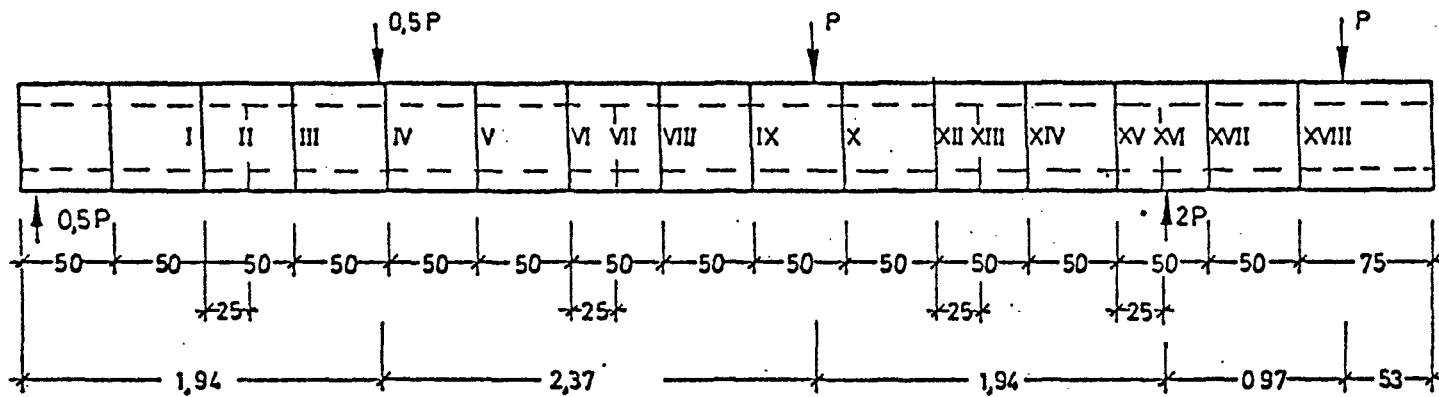


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

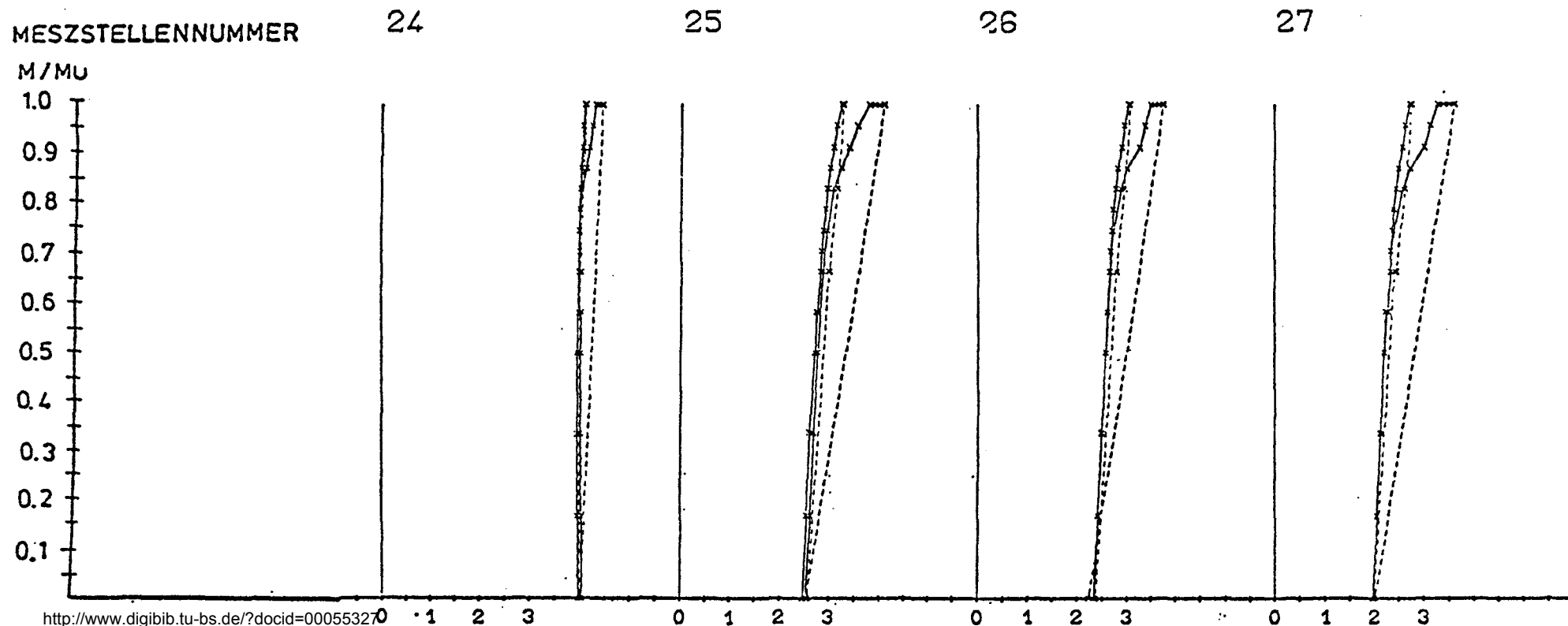


Längsstahldehnungen des Balkens SETM Q2

Schnitt VII

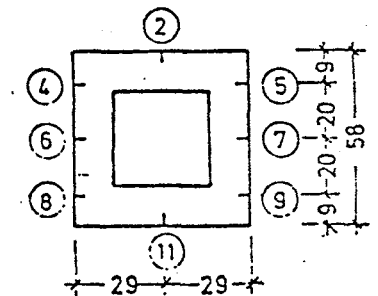
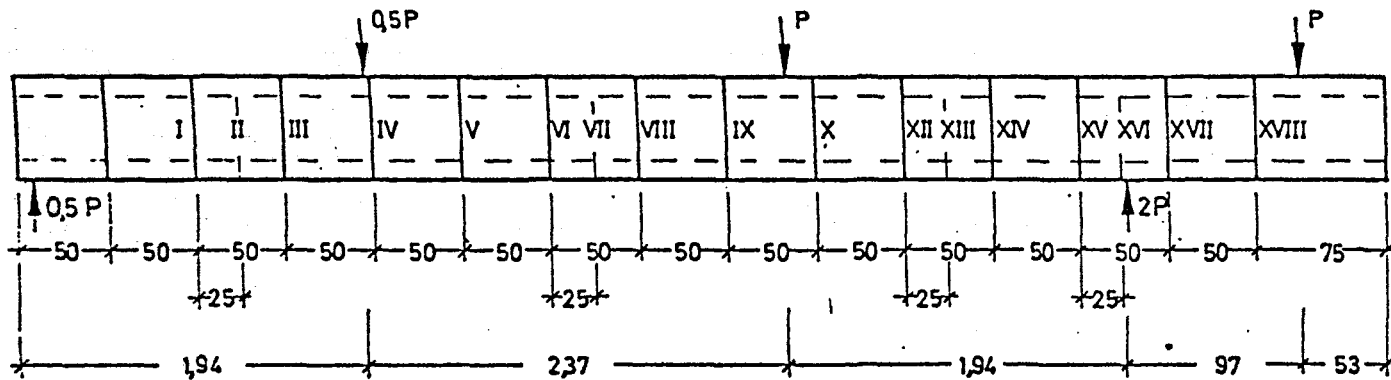


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

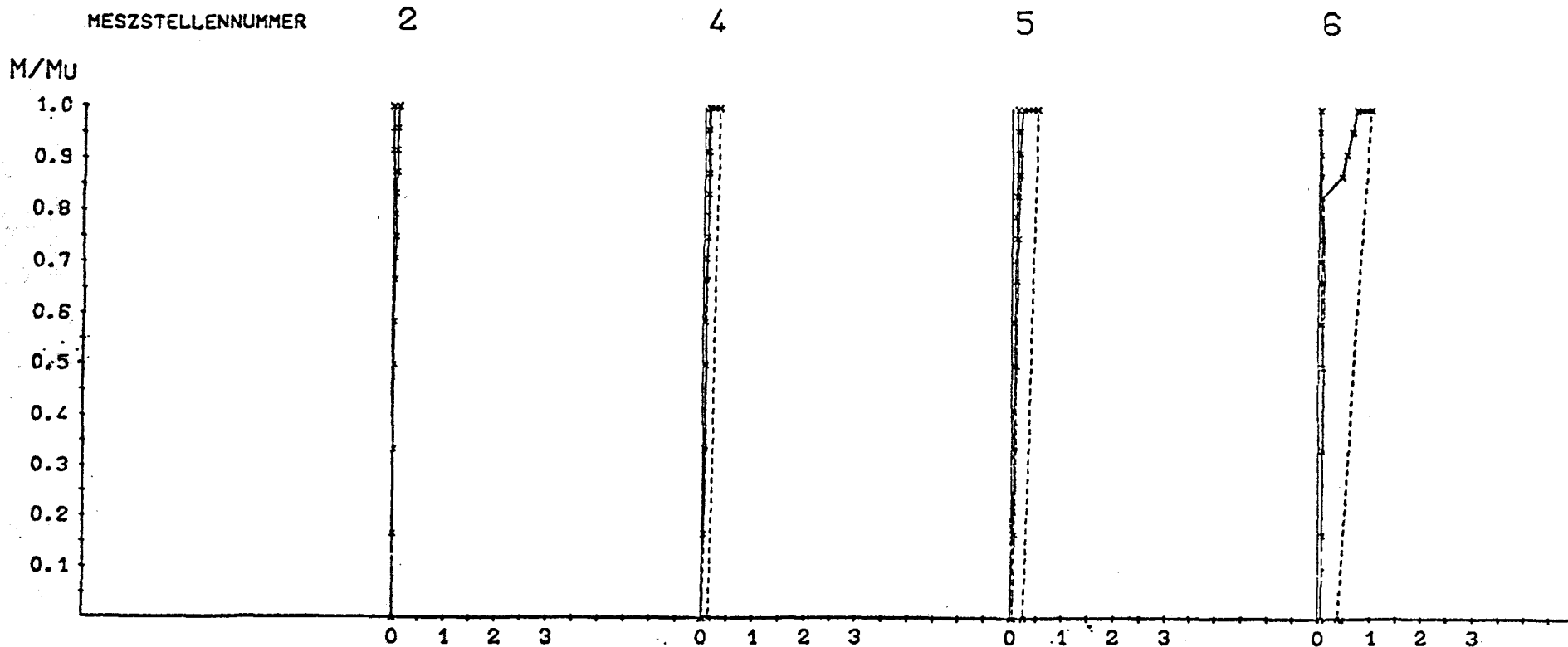


Bügeldehnungen des Balkens SETM Q2

Schnitt VII

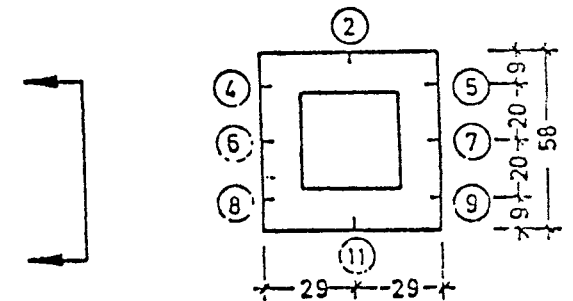
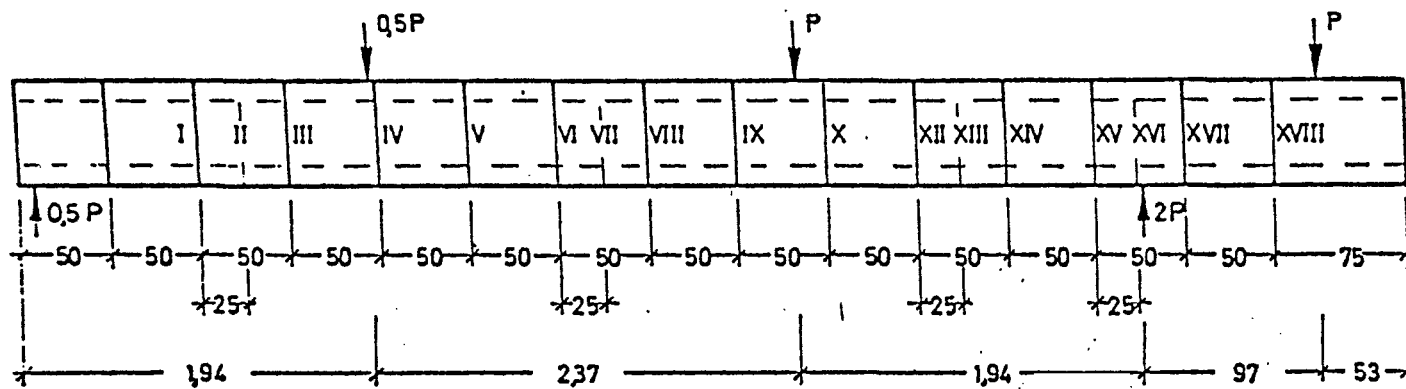


Meßquerschnitt
Meßstellen für Bügel



Bügeldehnungen des Balkens SETM Q2

Schnitt VII



Meßquerschnitt
Meßstellen für Bügel

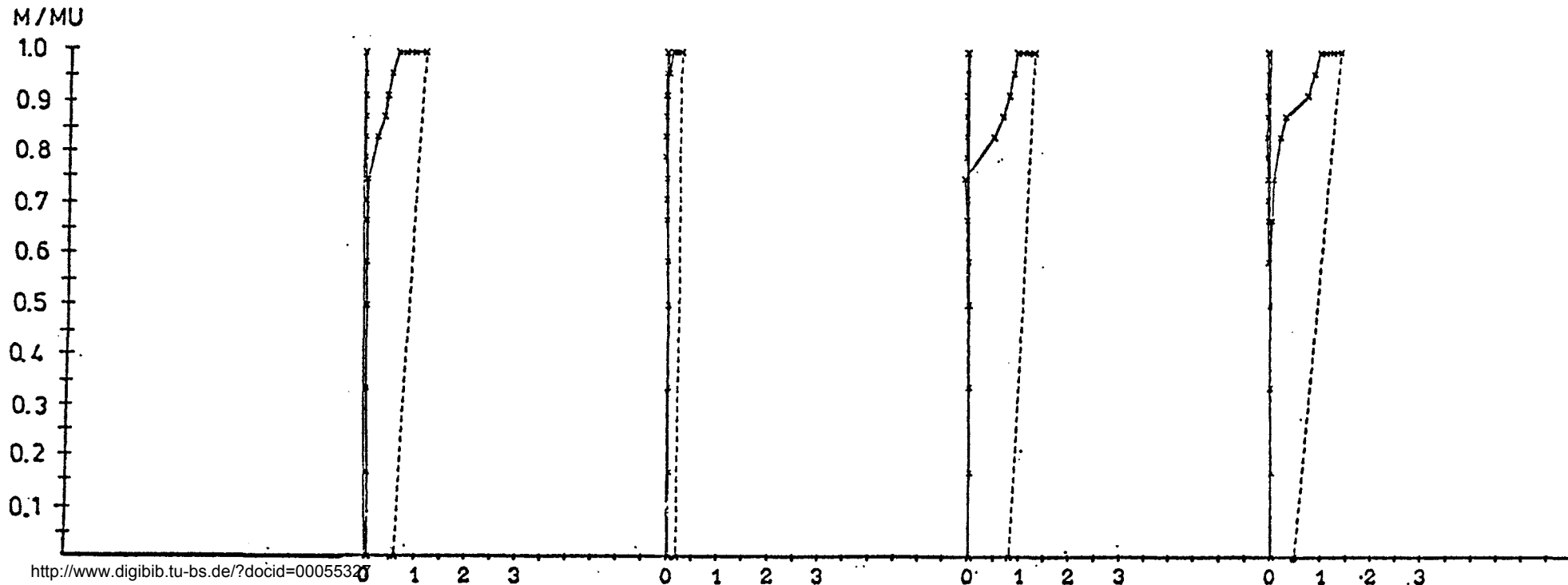
MESZSTELLENNUMMER

7

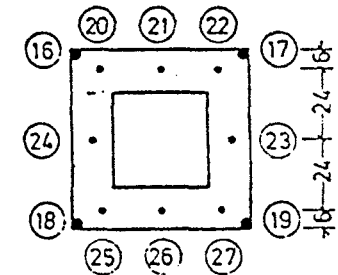
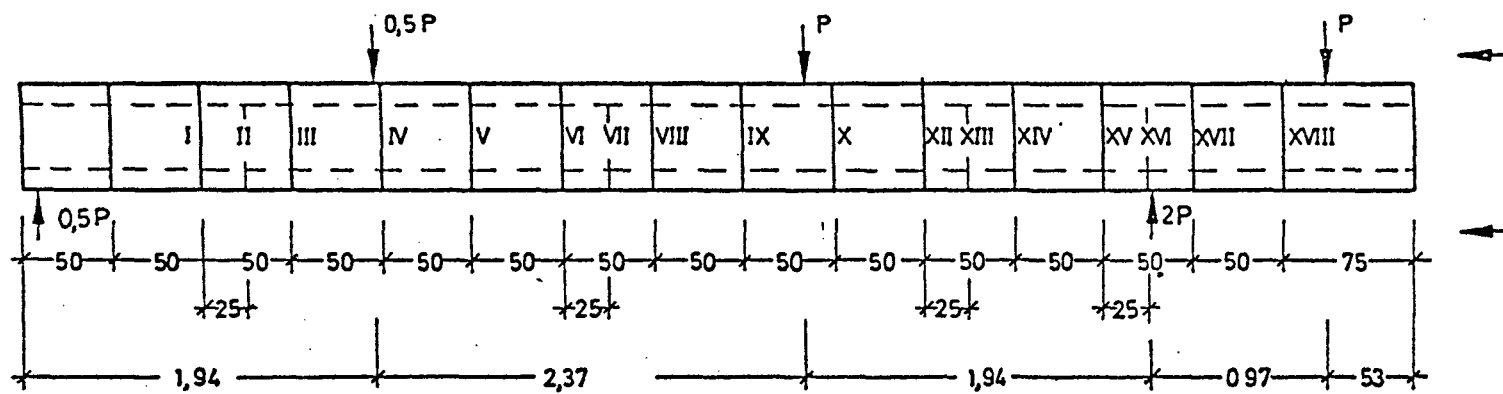
8

9

11

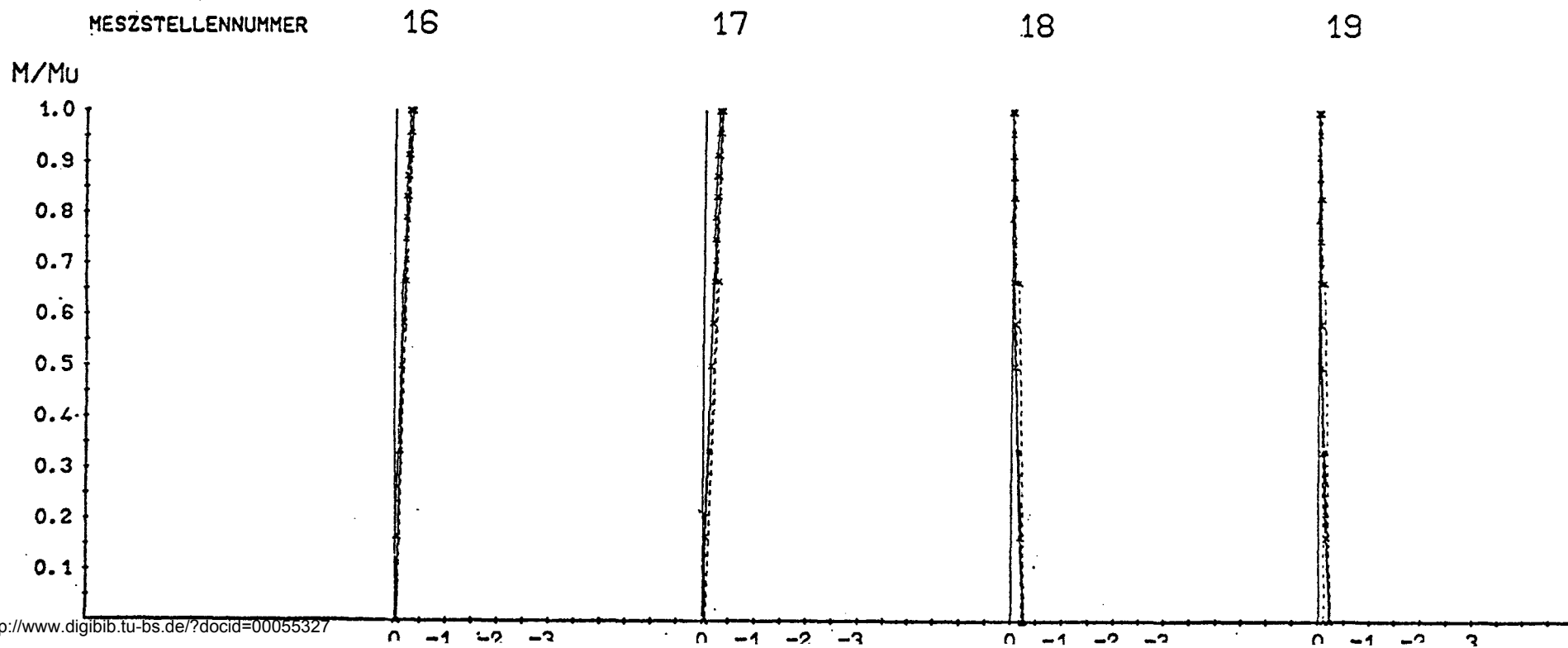


Schnitt VIII



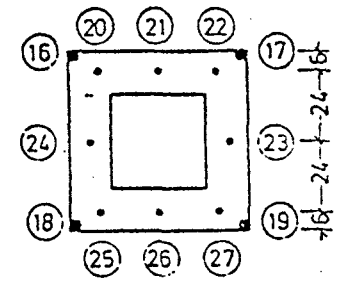
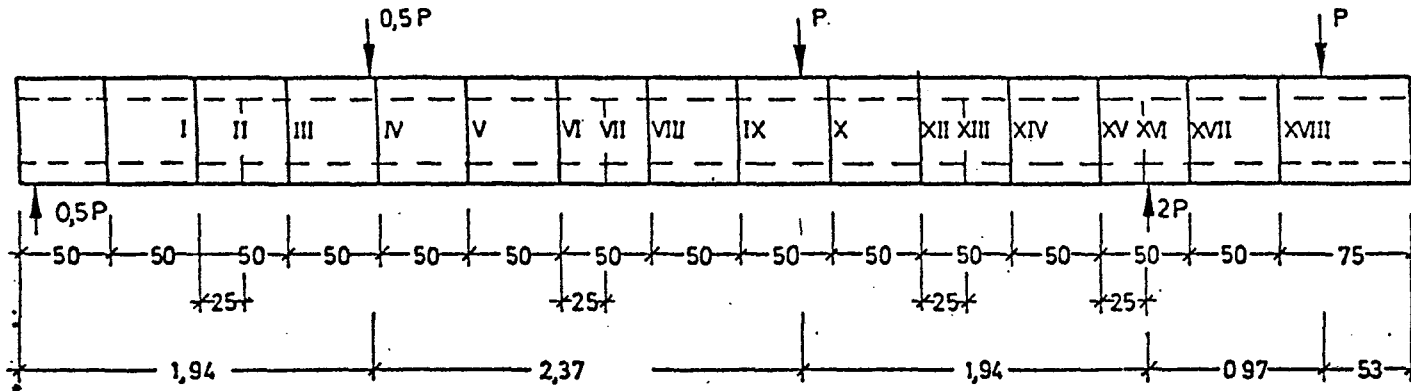
Meßquerschnitt

Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)



Längsstahldehnungen des Balkens SETM Q2

Schnitt VIII



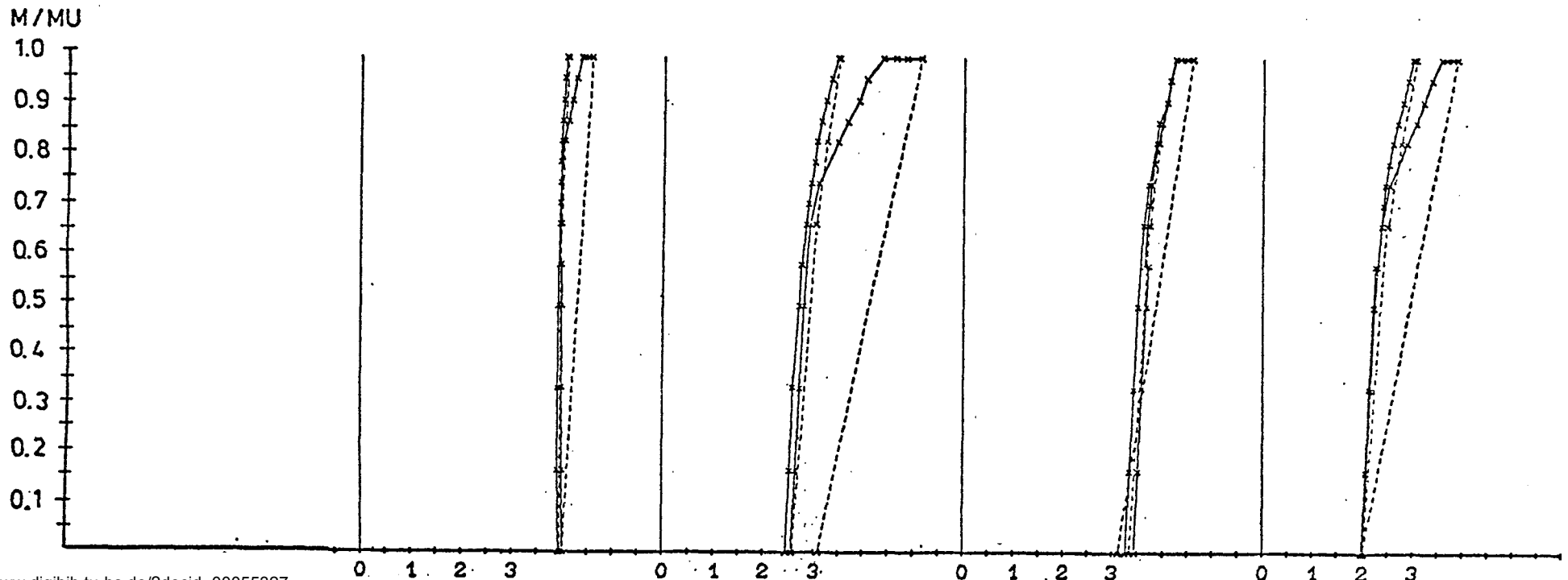
Meßquerschnitt
Meßstellen für Längs-
bewehrung (16-19) und
Spannglieder (20-27)

MESZSTELLENNUMMER 24

25

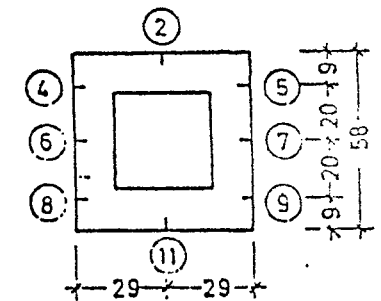
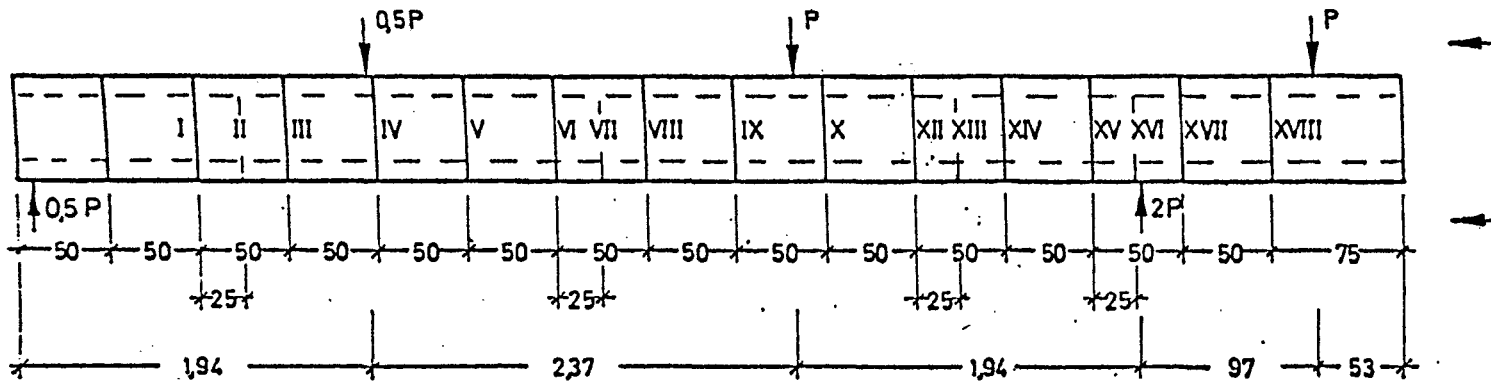
26

27



Bügeldehnungen des Balkens SETM Q2

Schnitt VIII



Meßquerschnitt
Meßstellen für Bügel

MESZSTELLENNUMMER

4

5

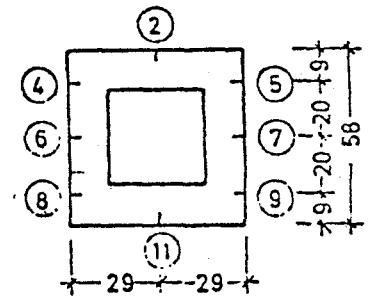
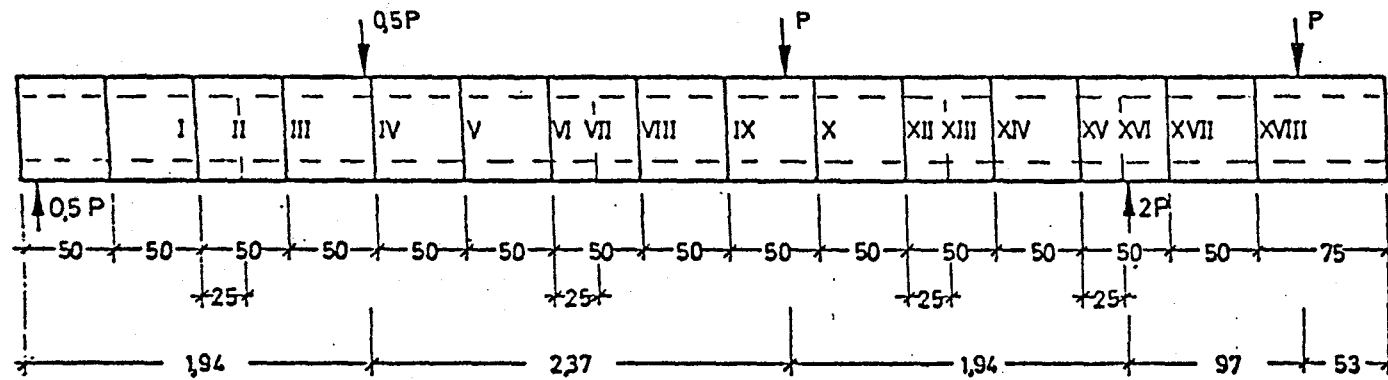
6

M/MU

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

Bügeldehnungen des Balkens SETM Q2

Schnitt VIII



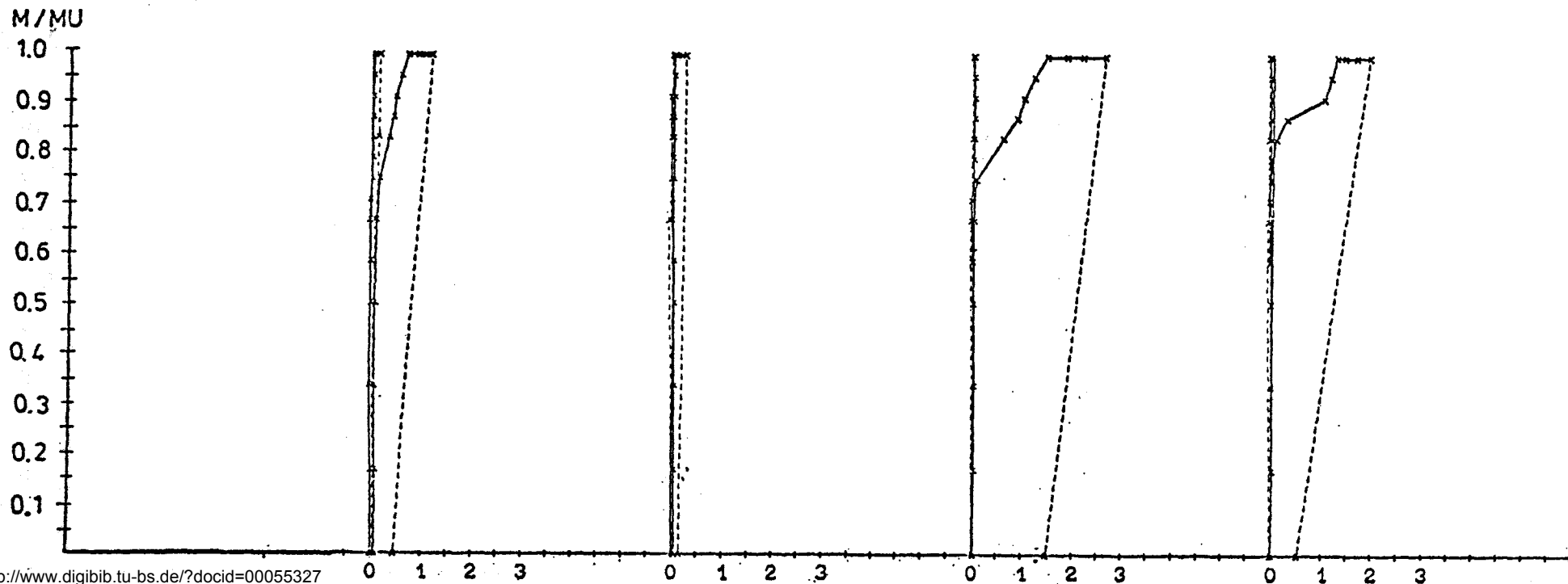
Meßquerschnitt
Meßstellen für Bügel

MESZSTELLENNUMMER 7

8

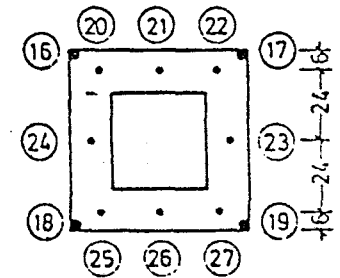
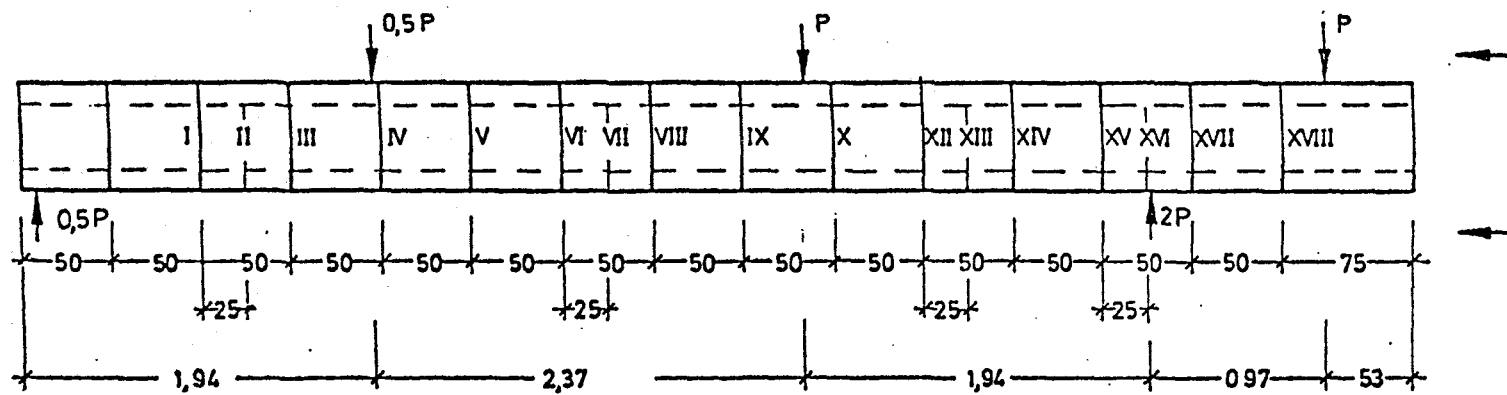
9

11



Längsstahldehnungen des Balkens SETM Q2

Schnitt IX



Meßquerschnitt

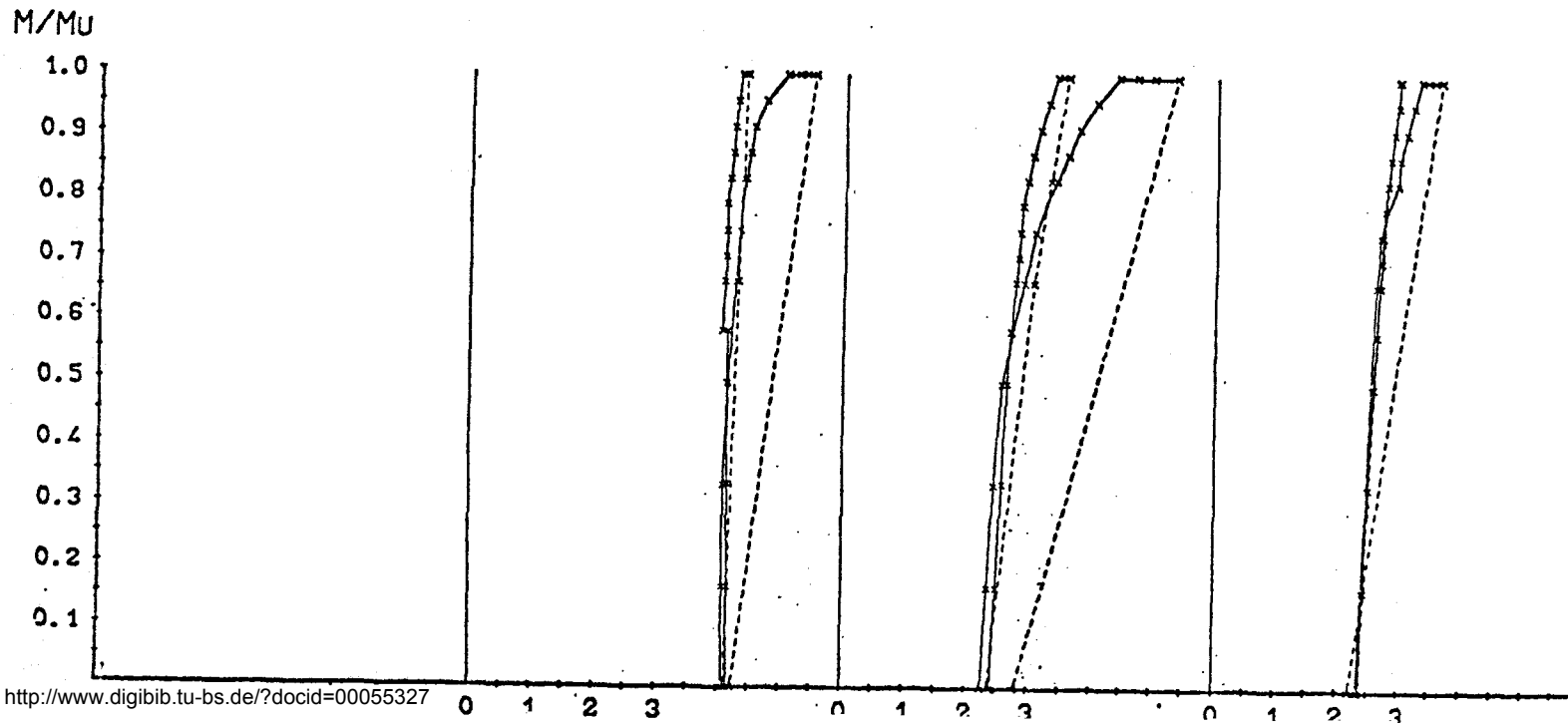
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENNUMMER

23

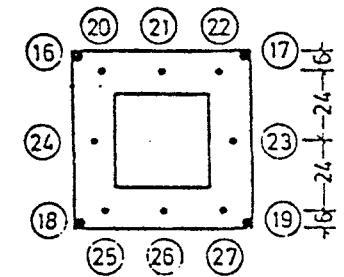
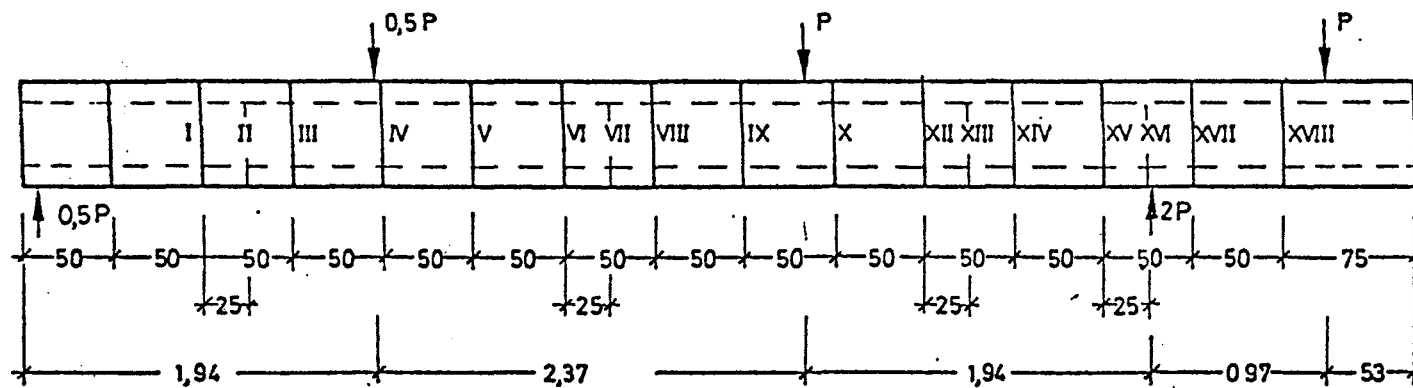
25

26

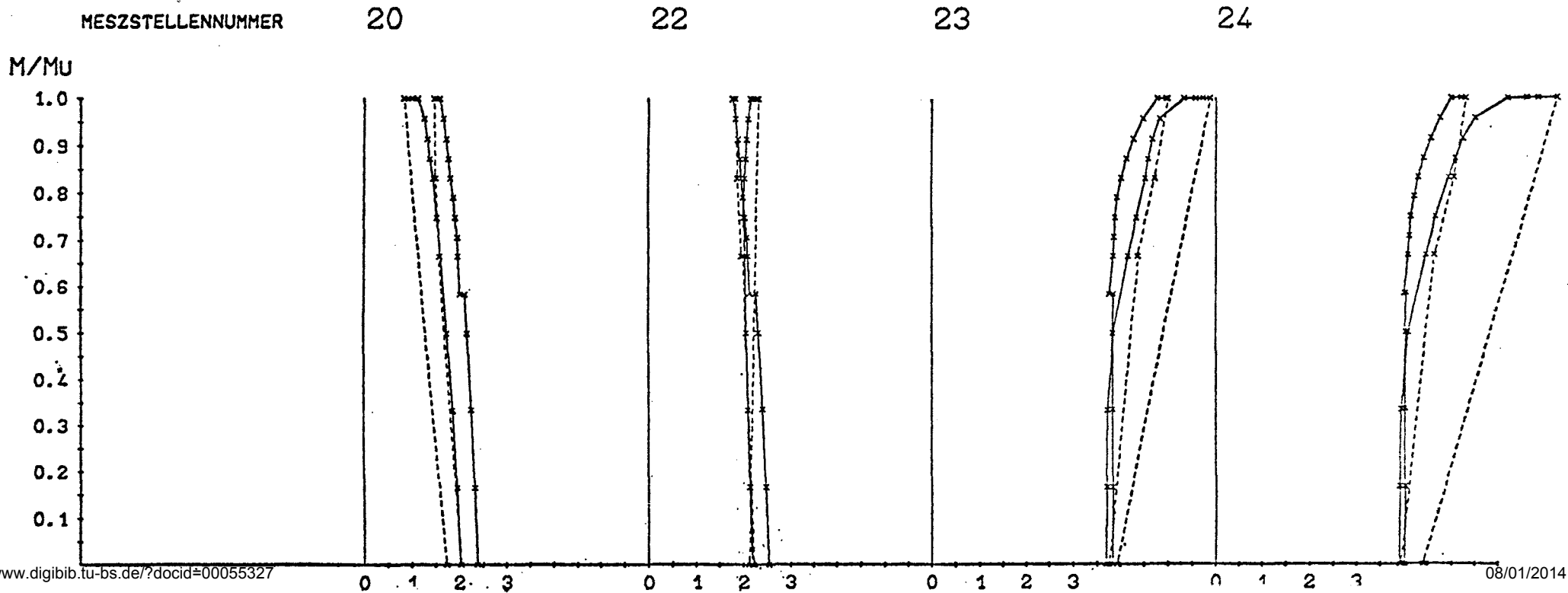


Längsstahldehnungen des Balkens SETM Q2

Schnitt X

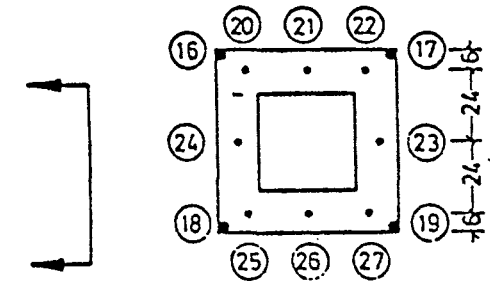
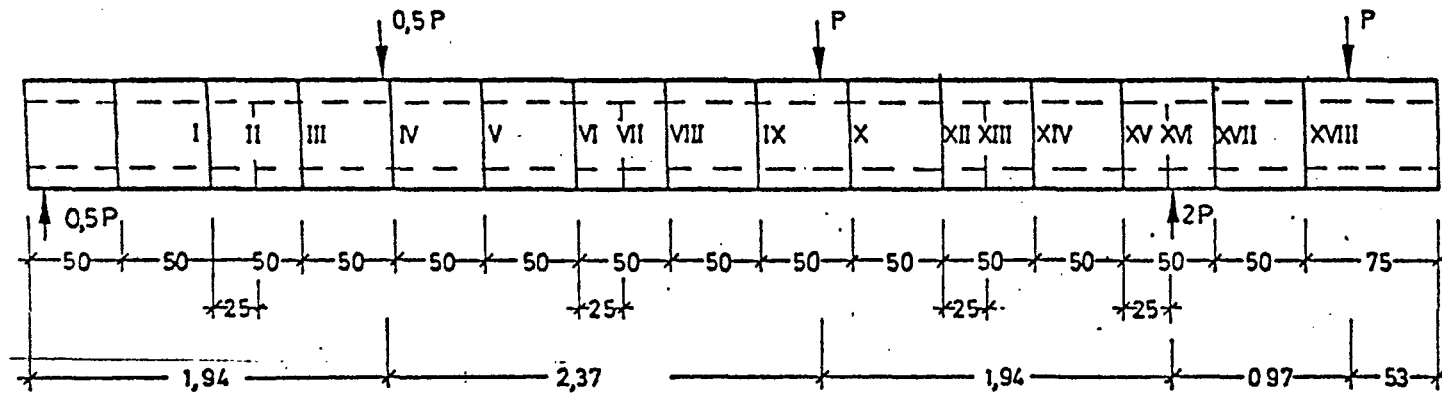


Meßquerschnitt
Meßstellen für Längs-
bewehrung (16-19) und
Spannglieder (20-27)



Längsstahldehnungen des Balkens SETM Q2

Schnitt XI



Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENNUMMER

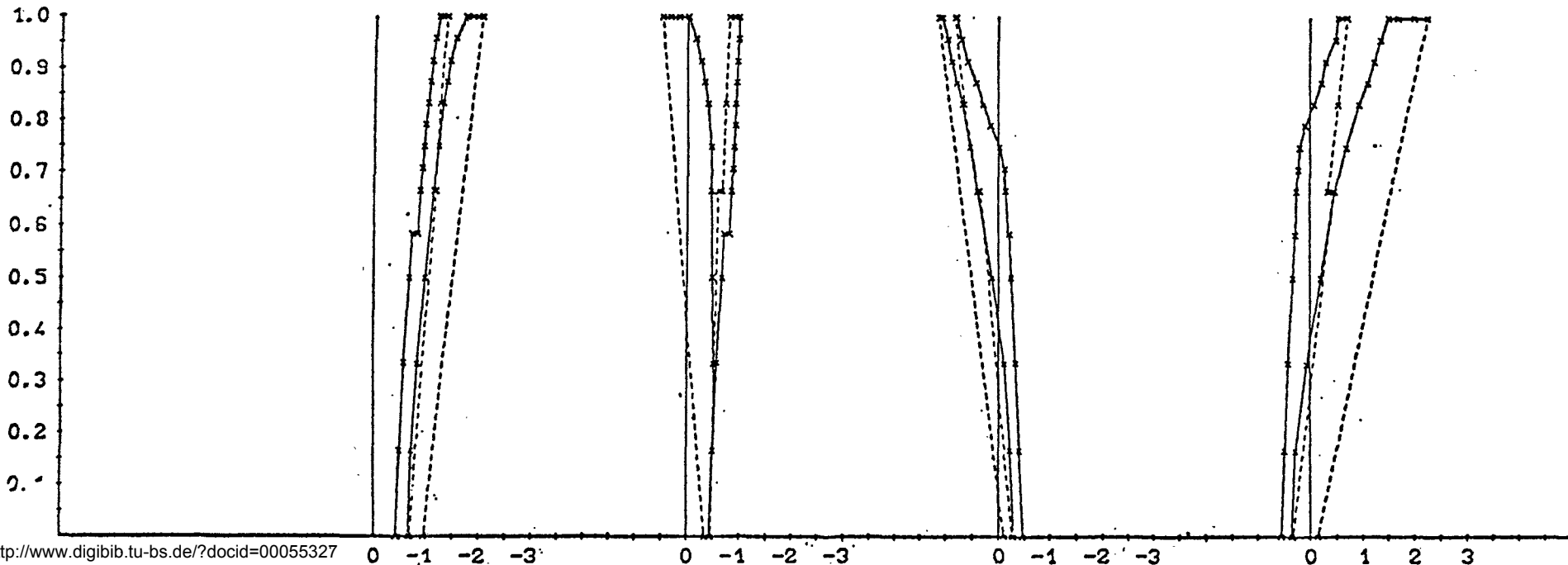
16

17

18

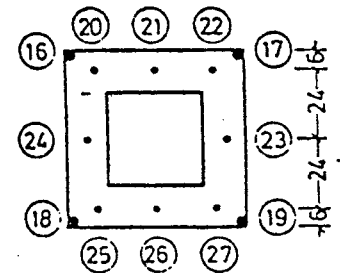
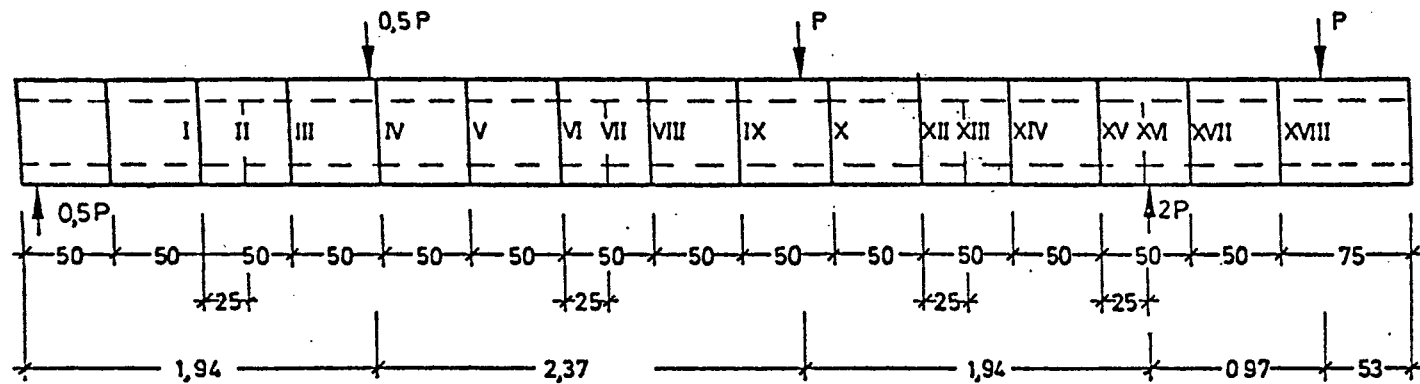
19

M/MU



Längsstahldehnungen des Balkens SETM Q2

Schnitt XI



Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENNUMMER

20

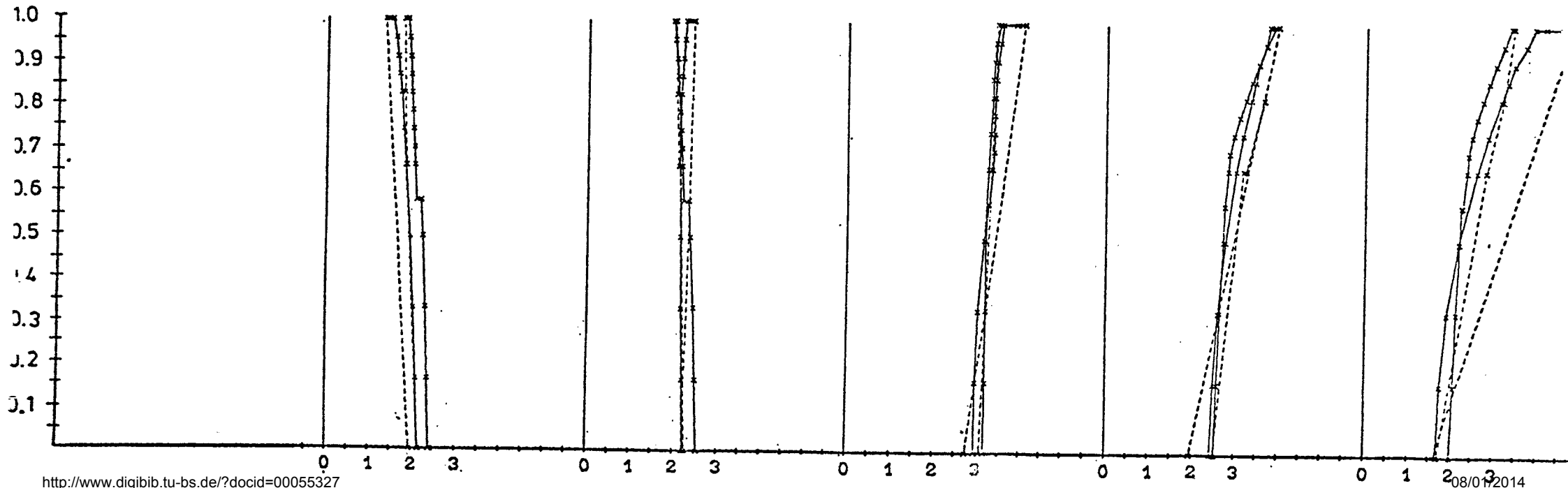
22

23

25

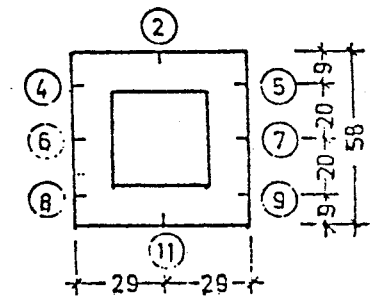
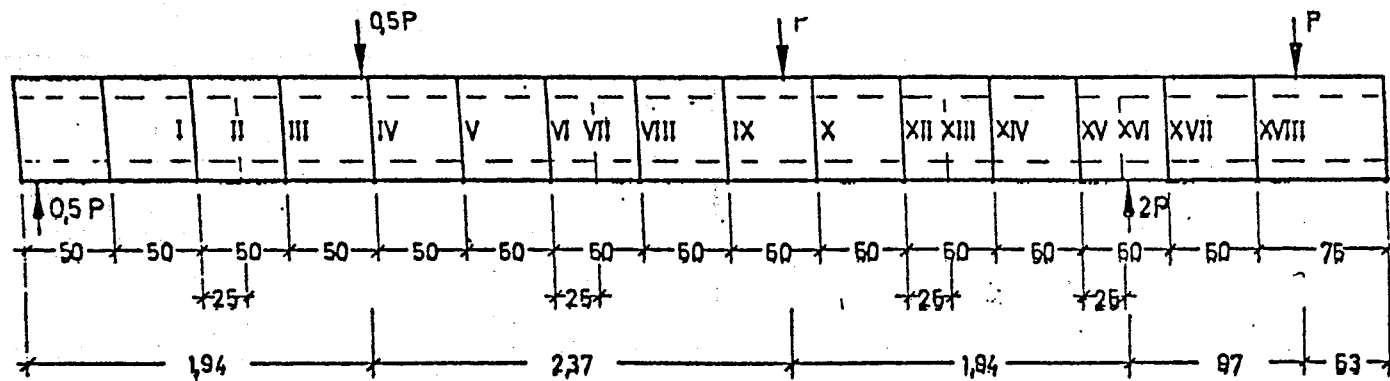
27

4/MU

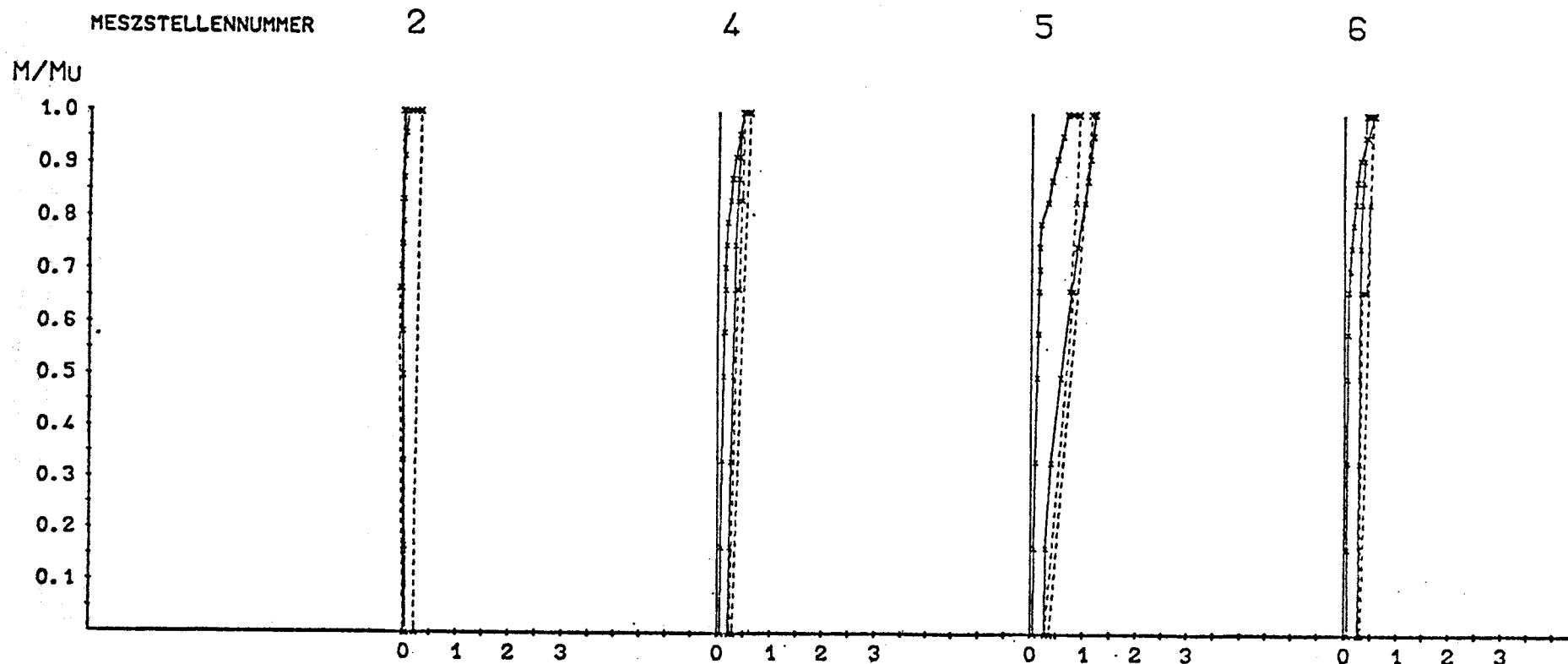


Bügeldehnungen des Balkens SETM Q2

Schnitt XI

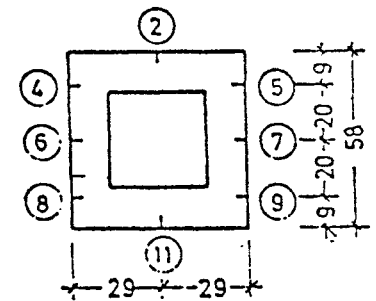
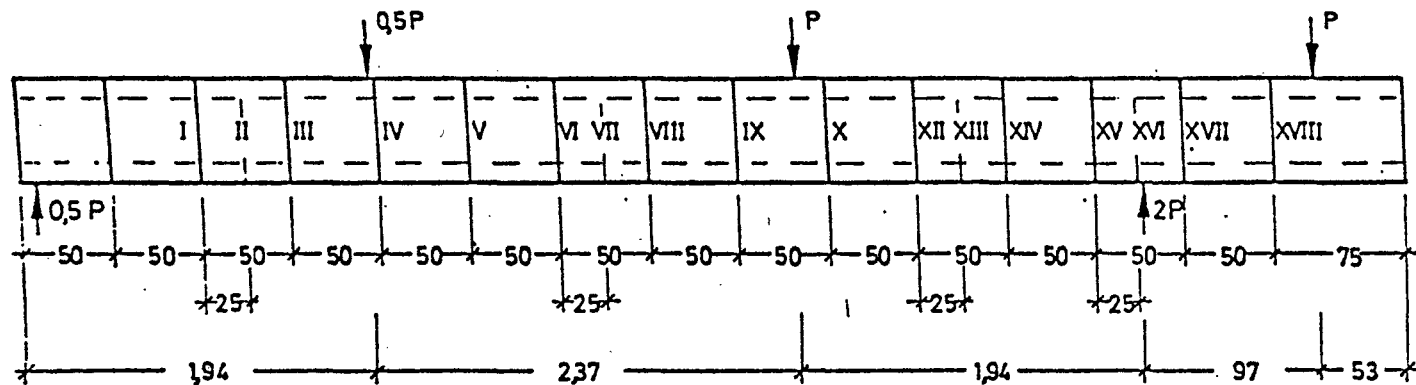


Meßquerschnitt
Meßstellen für Bügel

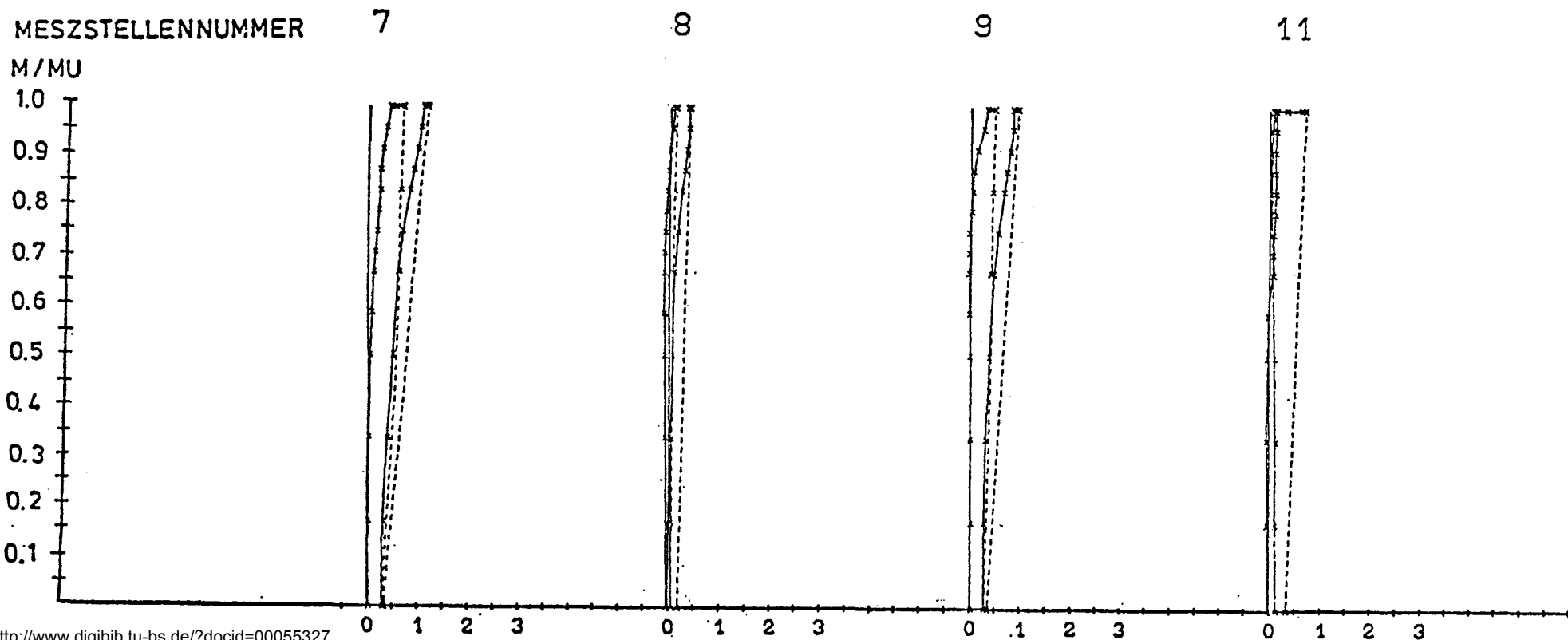


Bügeldehnungen des Balkens SETM Q2

Schnitt XI

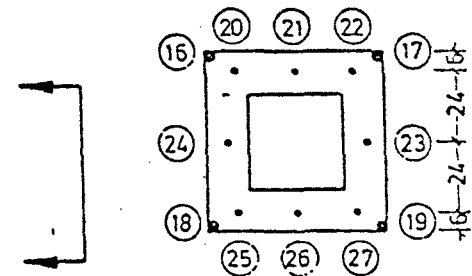
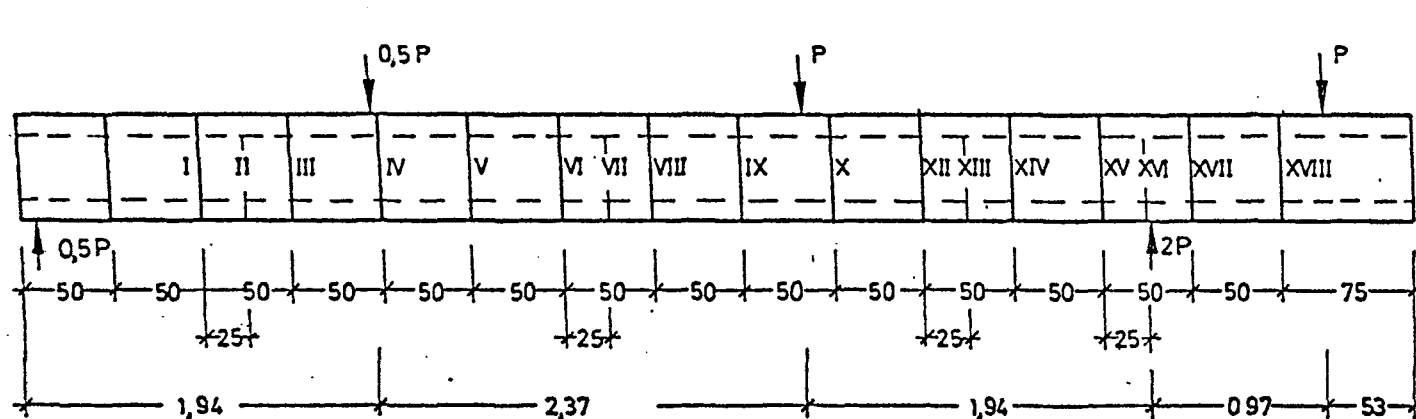


Meßquerschnitt
Meßstellen für Bügel

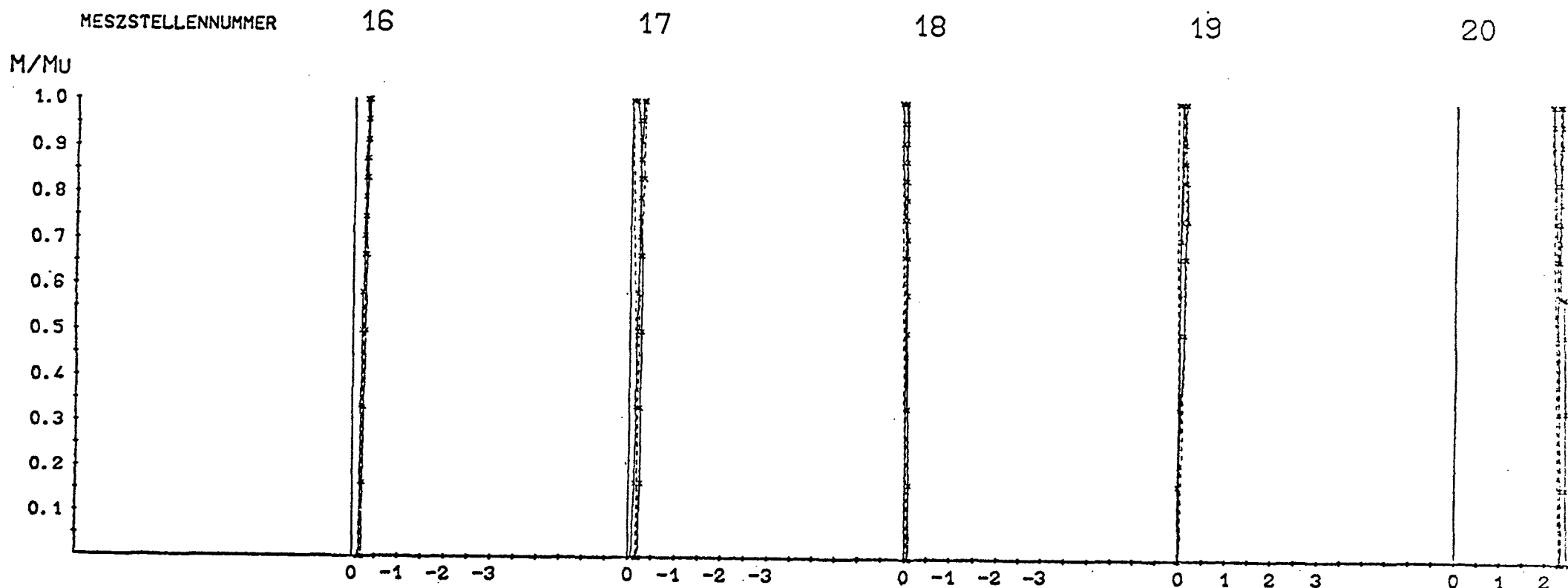


Längsstahldehnungen des Balkens SETM Q2

Schnitt XII

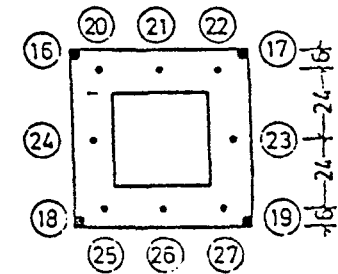
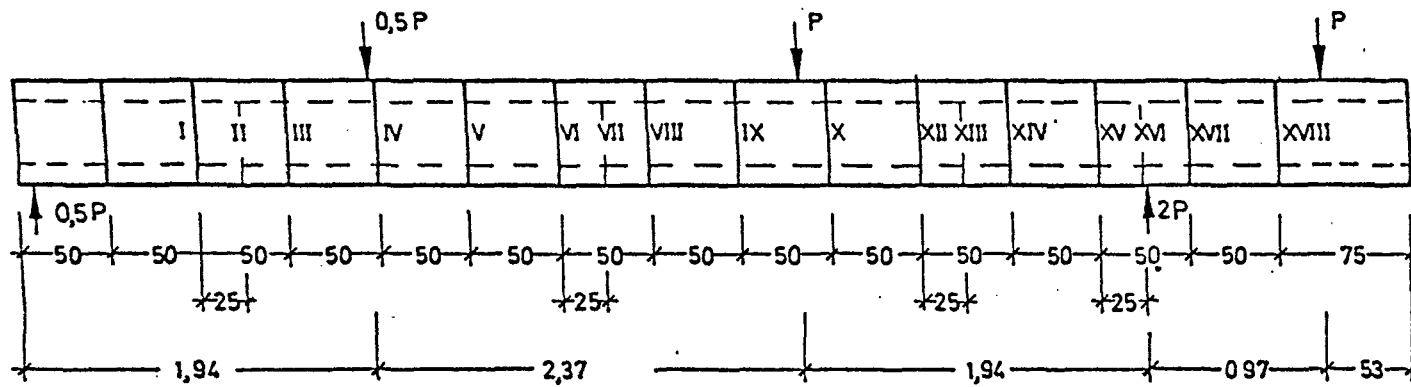


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

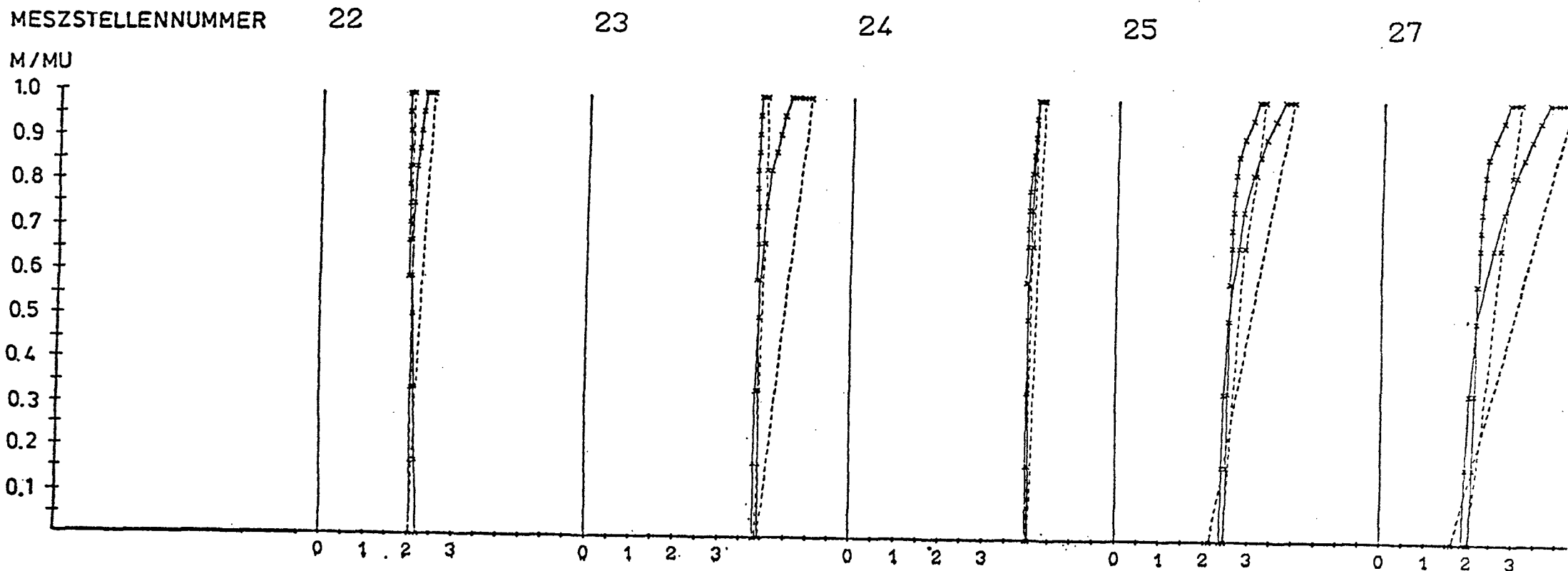


Längsstahldehnungen des Balkens SETM Q2

Schnitt XII

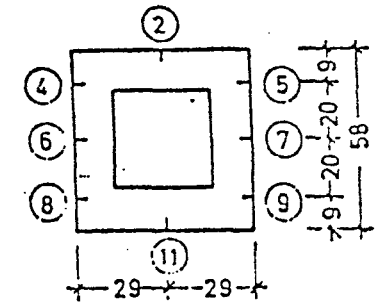
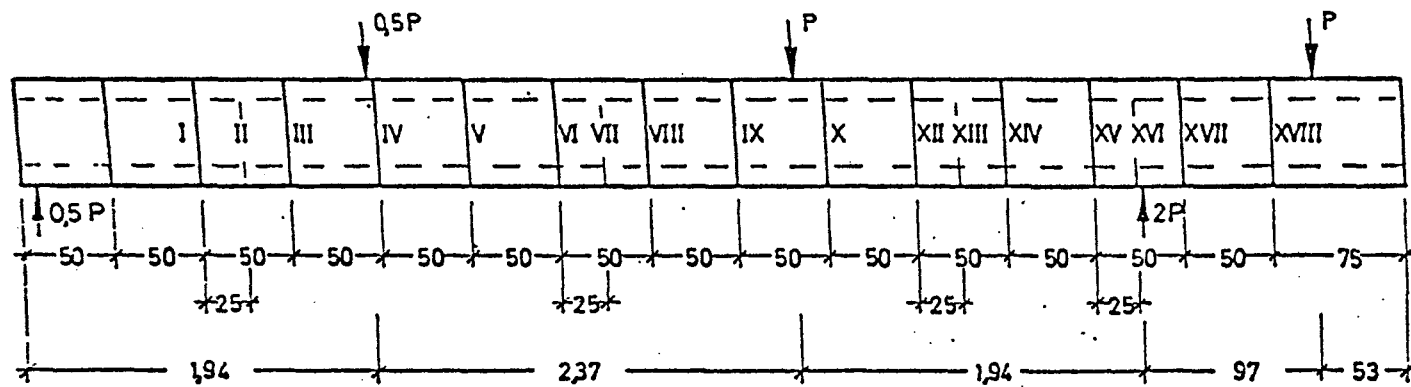


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

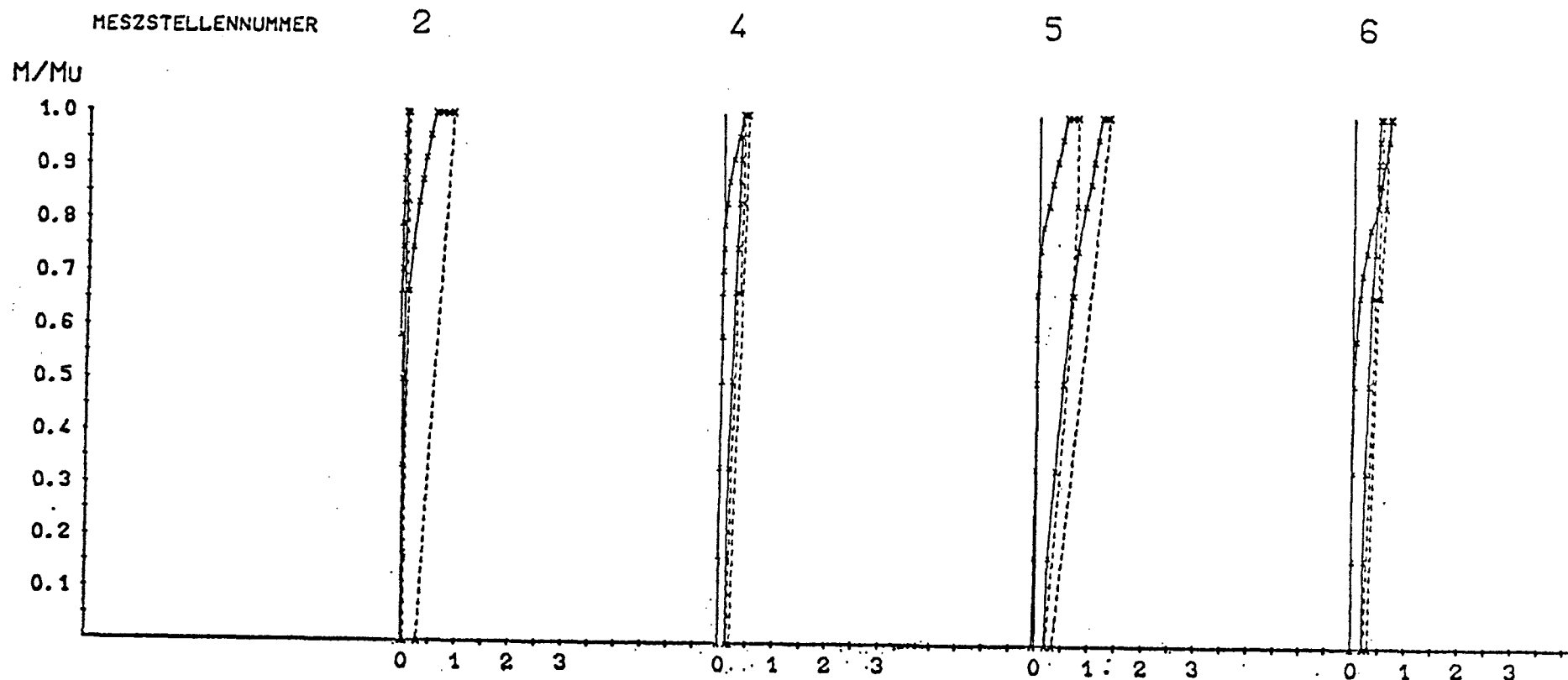


Bügeldehnungen des Balkens SETM U2

Schnitt XII

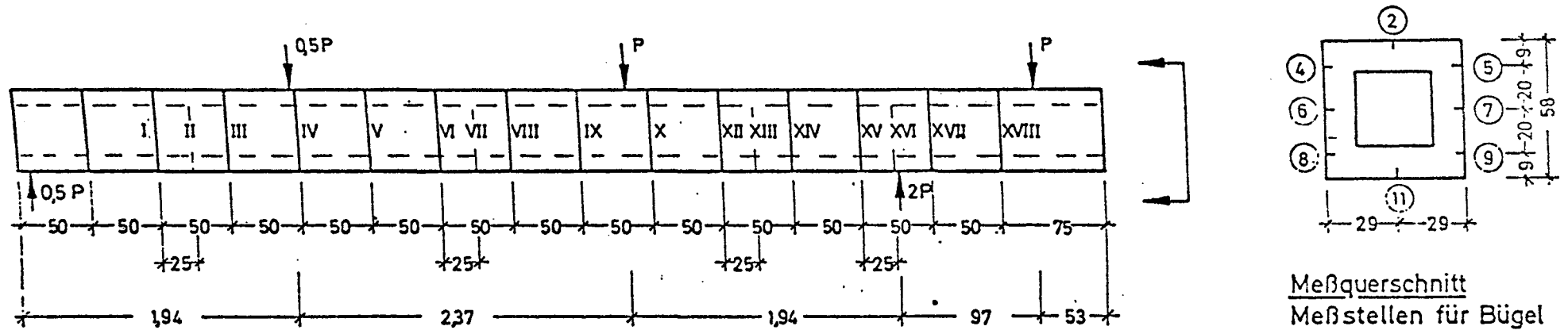


Meßquerschnitt
Meßstellen für Bügel



Bügeldehnungen des Balkens SETM Q2

Schnitt XII



MESZSTELLENNUMMER

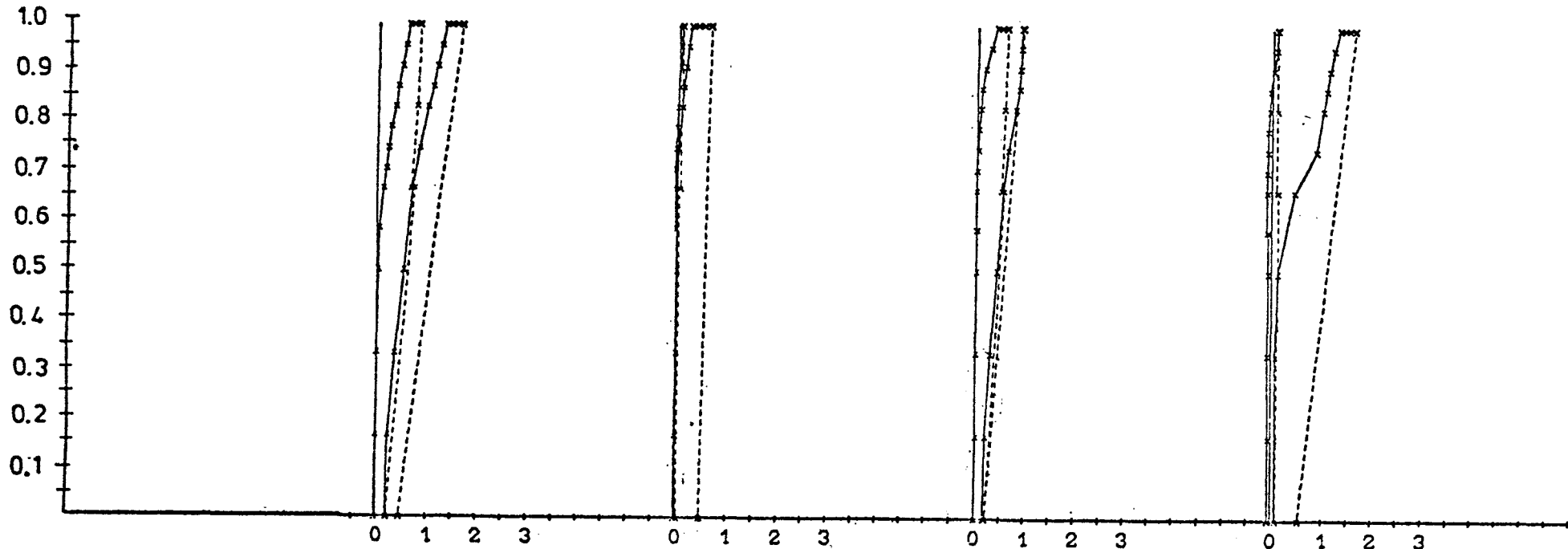
7

8

9

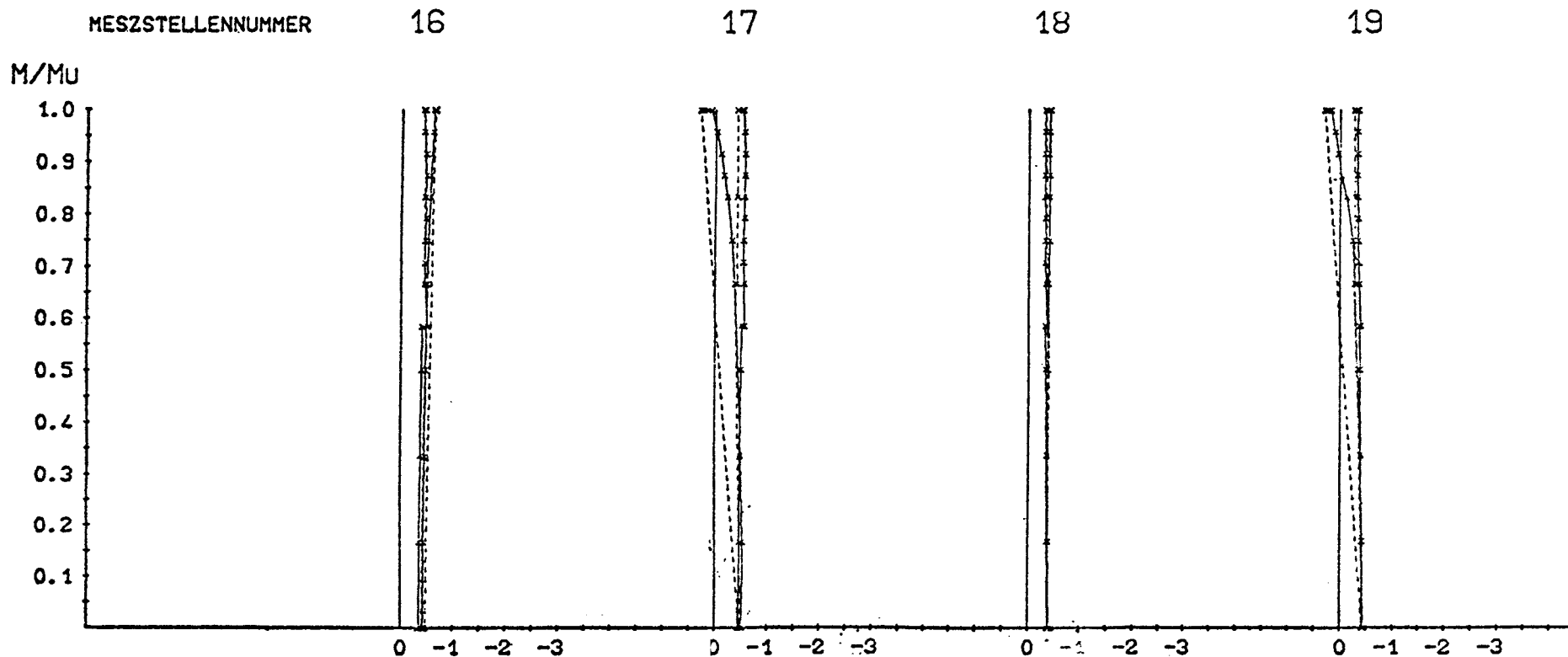
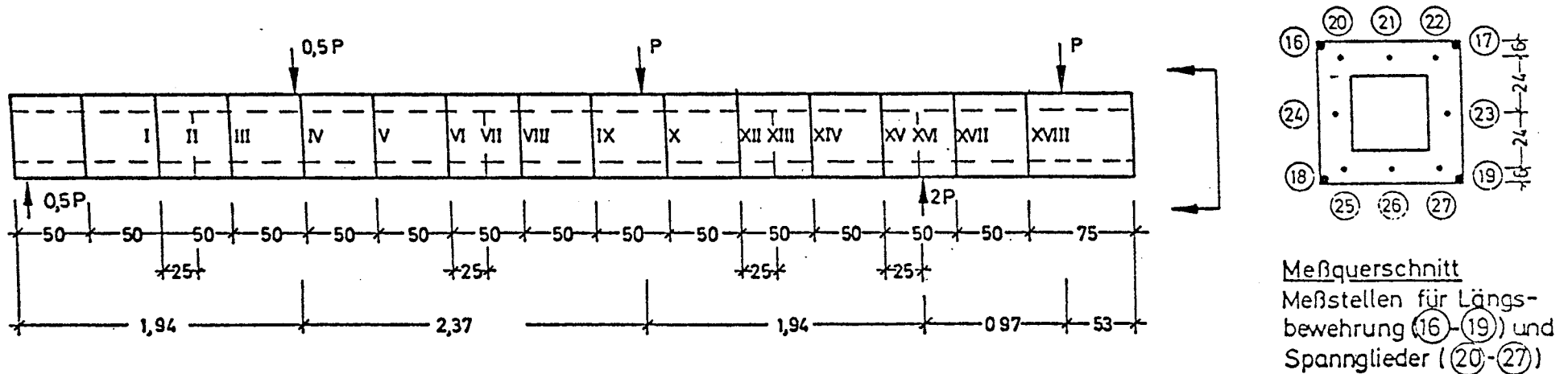
11

M/MU



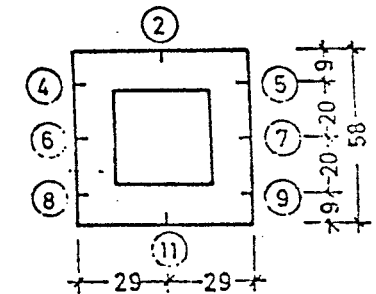
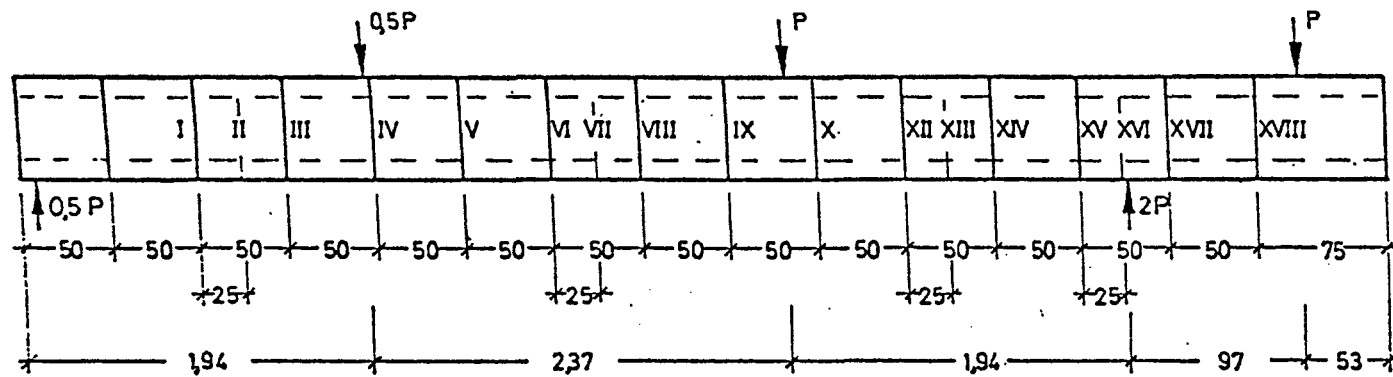
Längsstahldehnungen des Balkens SETM Q2

Schnitt XIII

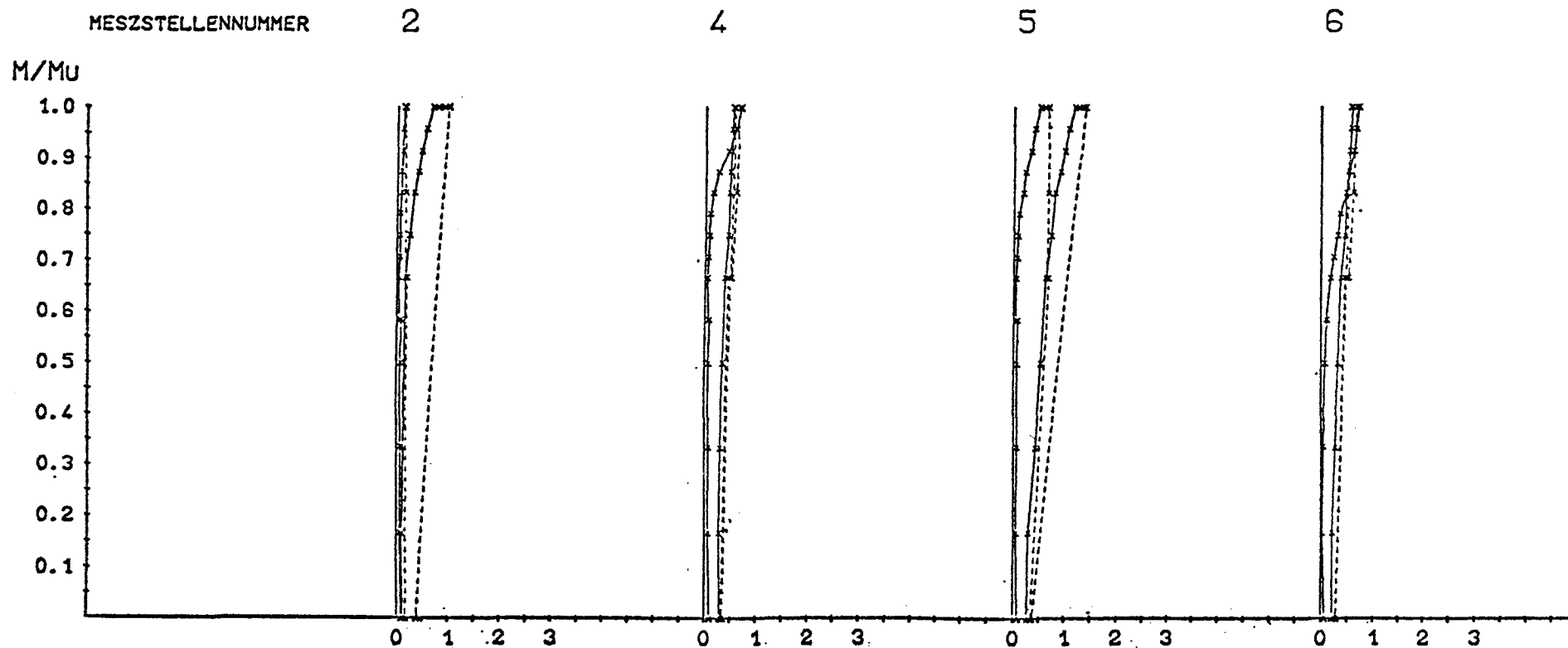


Bügeldehnungen des Balkens SETM Q2

Schnitt XIII

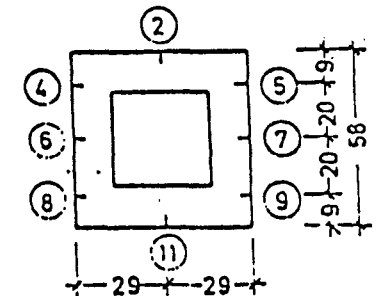
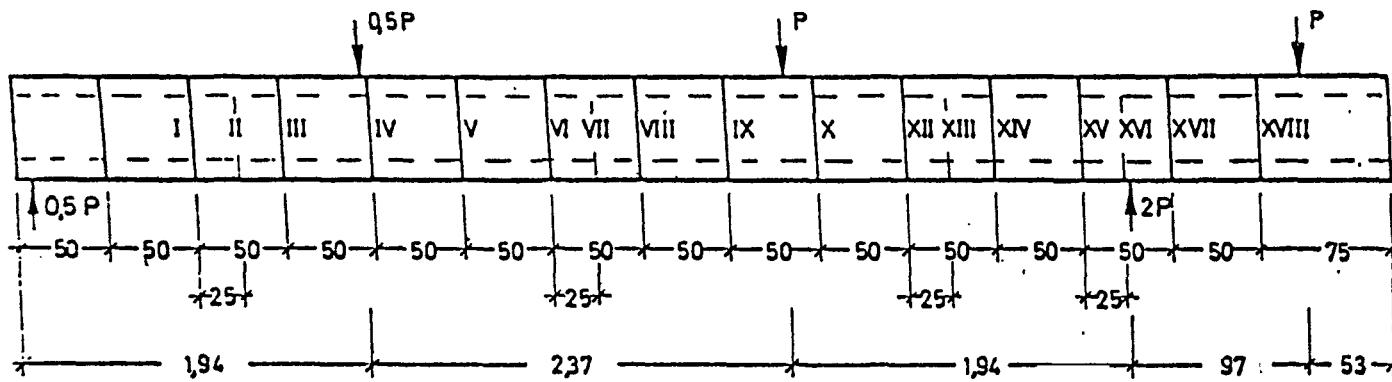


Meßquerschnitt
Meßstellen für Bügel

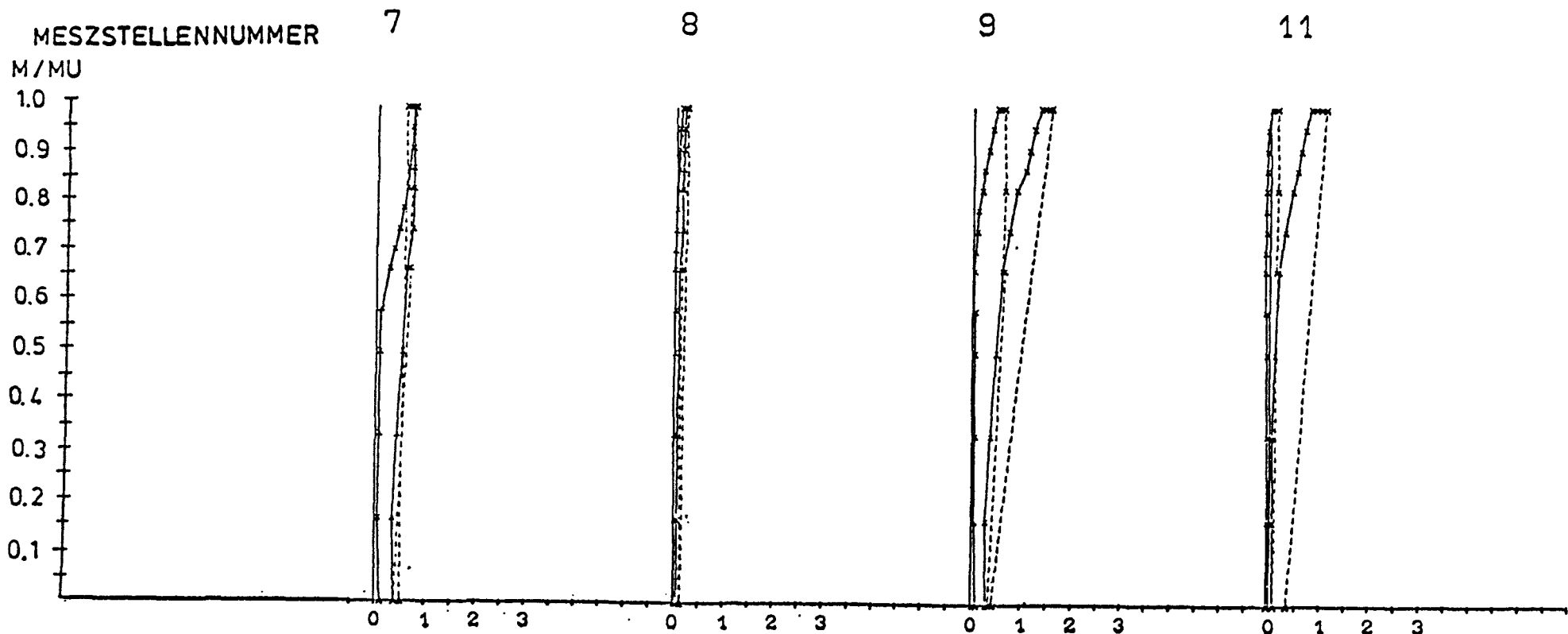


Bügeldehnungen des Balkens SETM QZ

Schnitt XIII

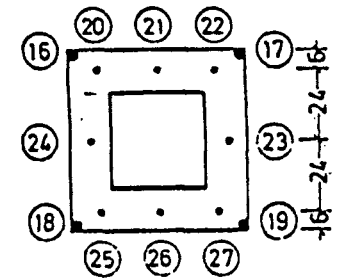
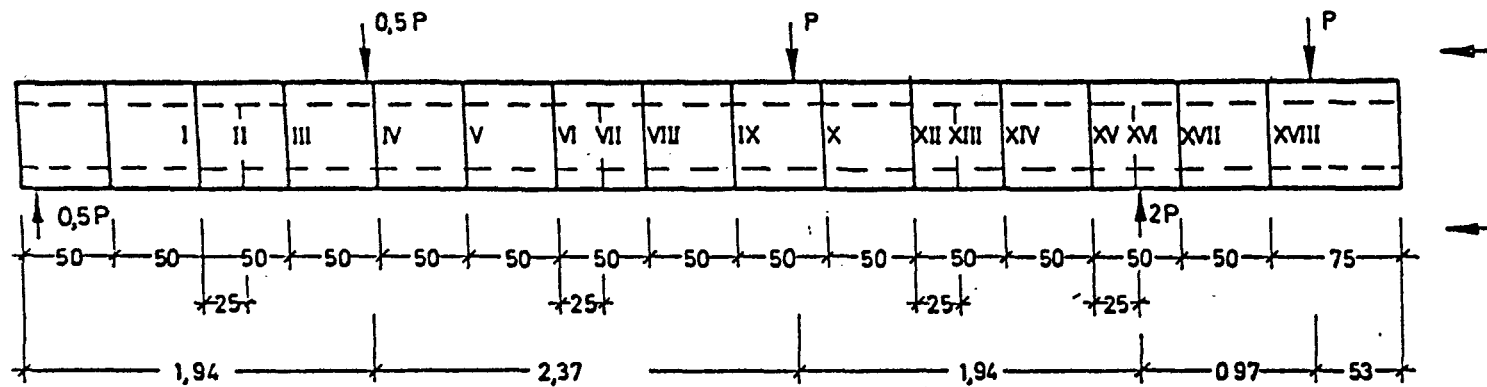


Meßquerschnitt
Meßstellen für Bügel

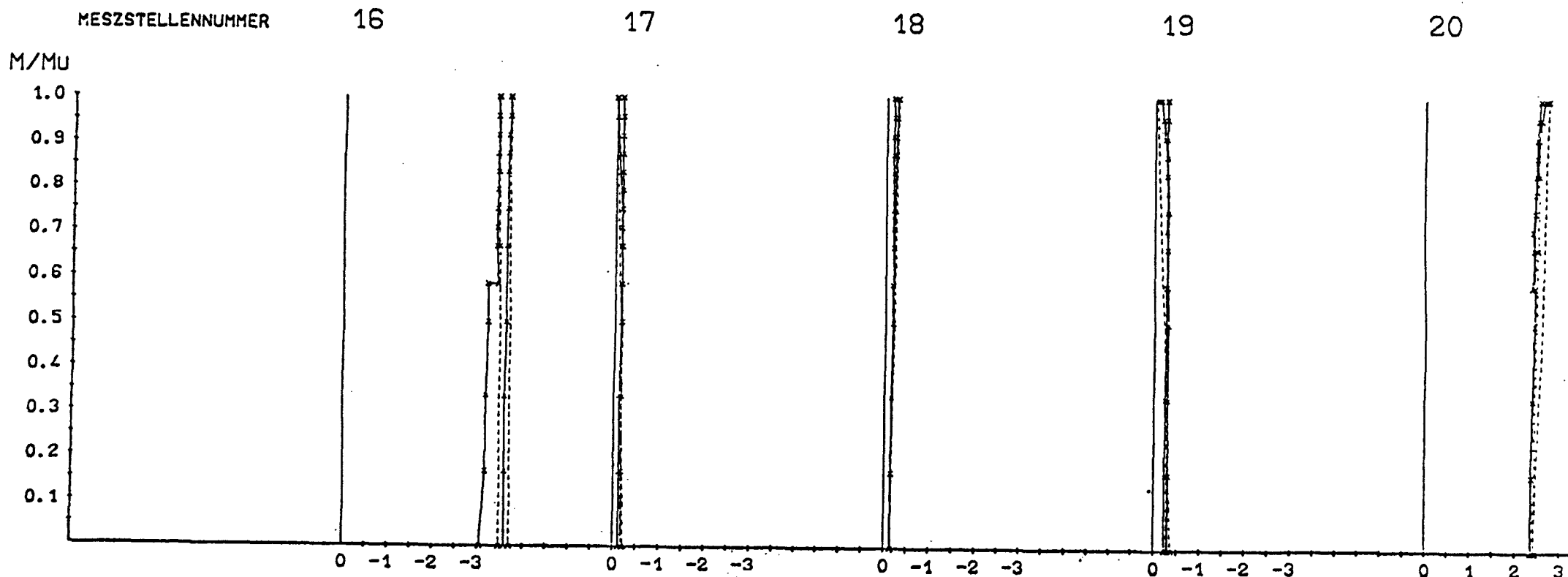


Längsstahldehnungen des Balkens SETM Q2

Schnitt XIV

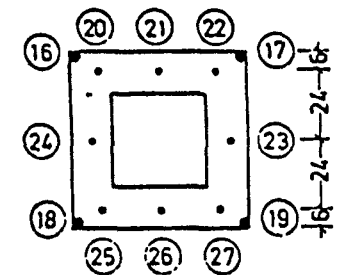
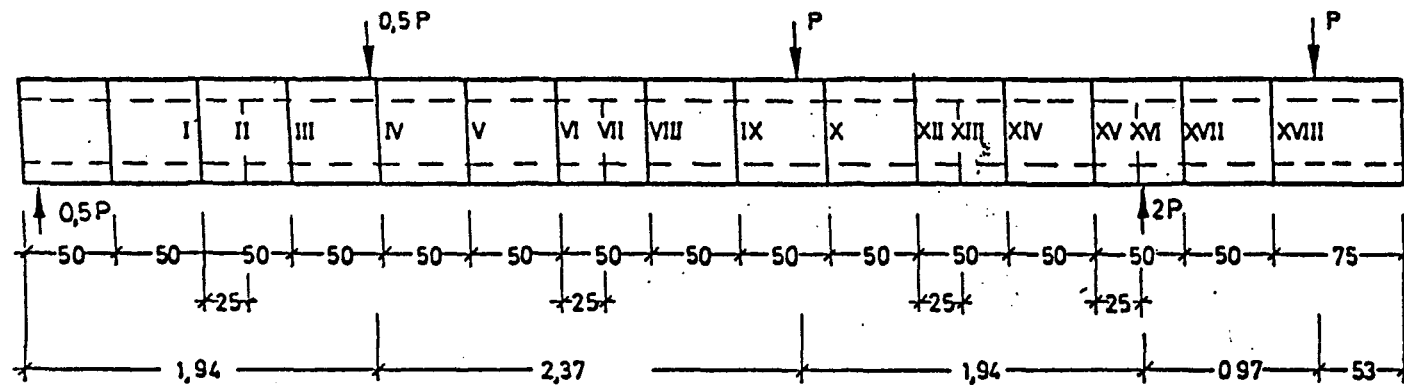


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

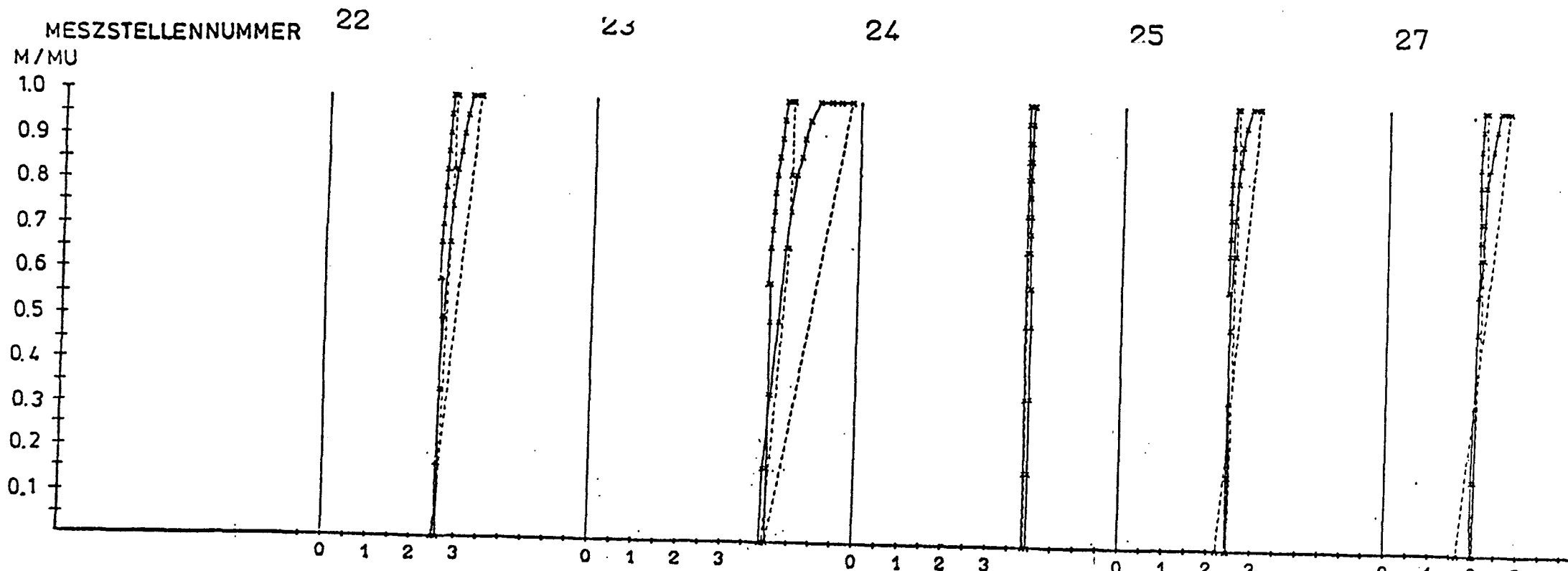


Längsstahldehnungen des Balkens SETM Q2

Schnitt XIV

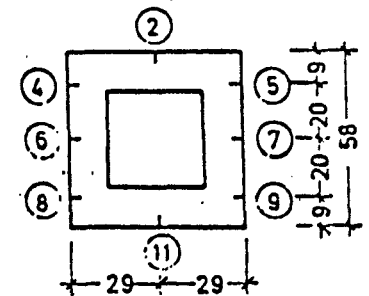
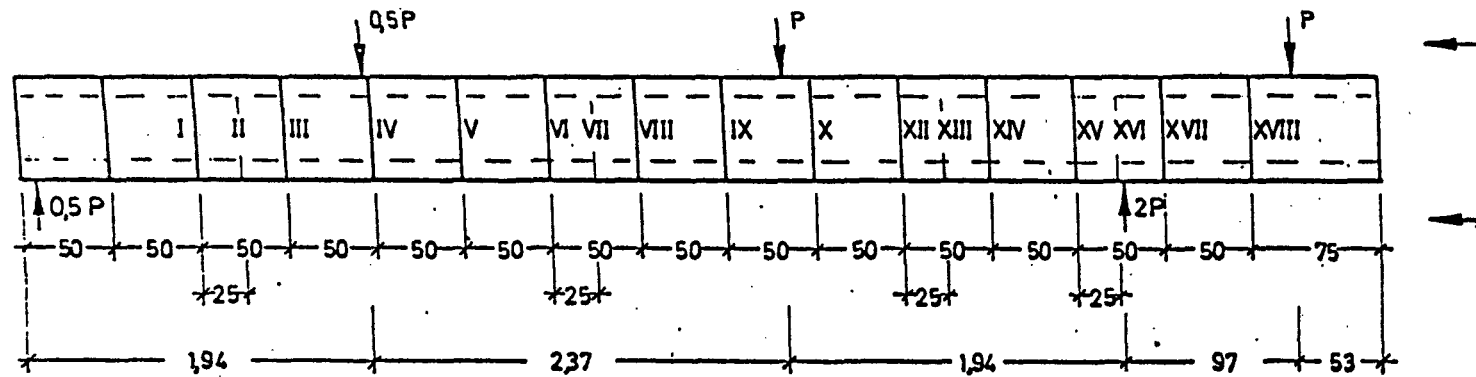


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

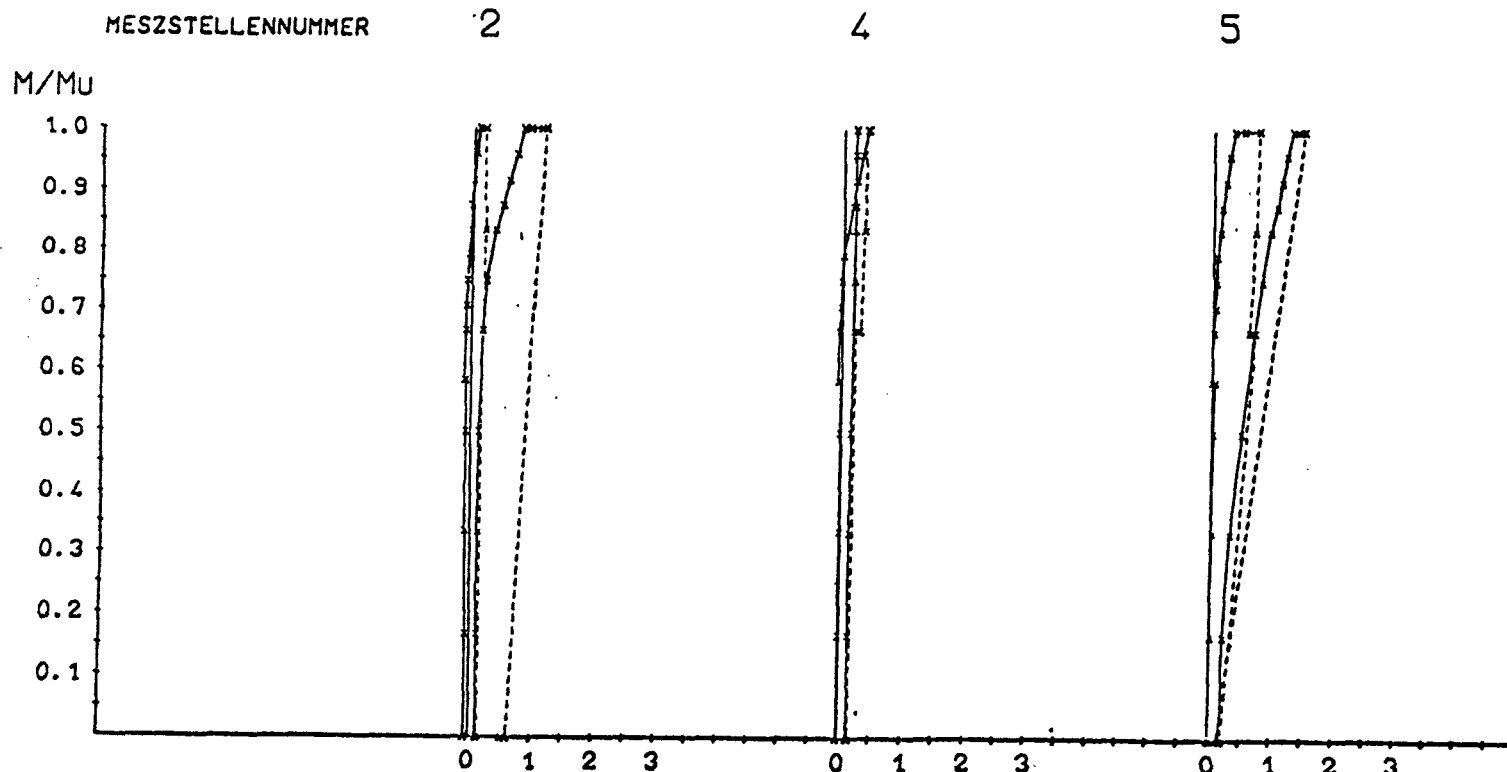


Bügeldehnungen des Balkens SETM Q2

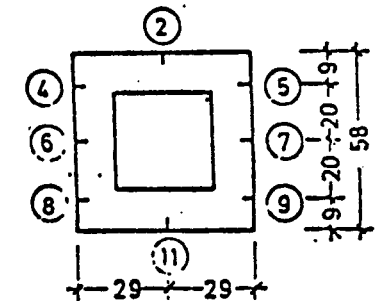
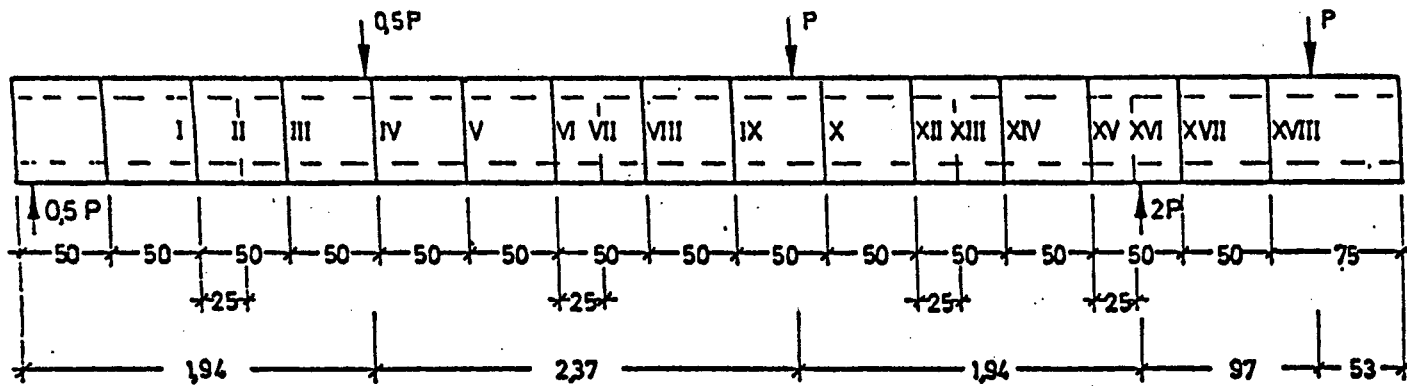
Schnitt XIV



Meßquerschnitt
Meßstellen für Bügel



Bügeldehnungen des Balkens SETM u2 Schnitt XIV



Meßquerschnitt
Meßstellen für Bügel

MESZSTELLENNUMMER

6

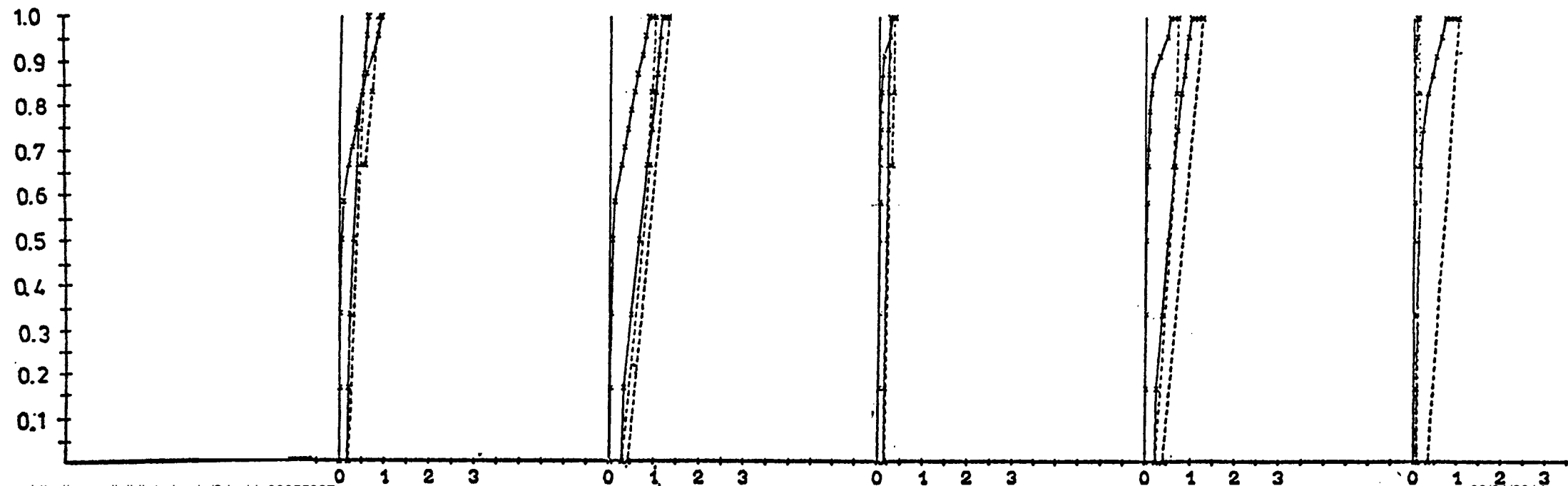
7

8

9

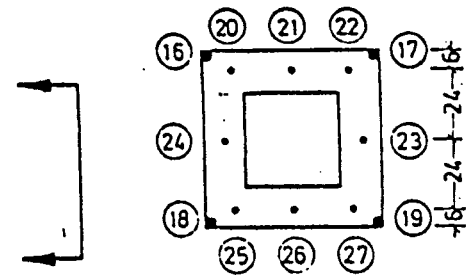
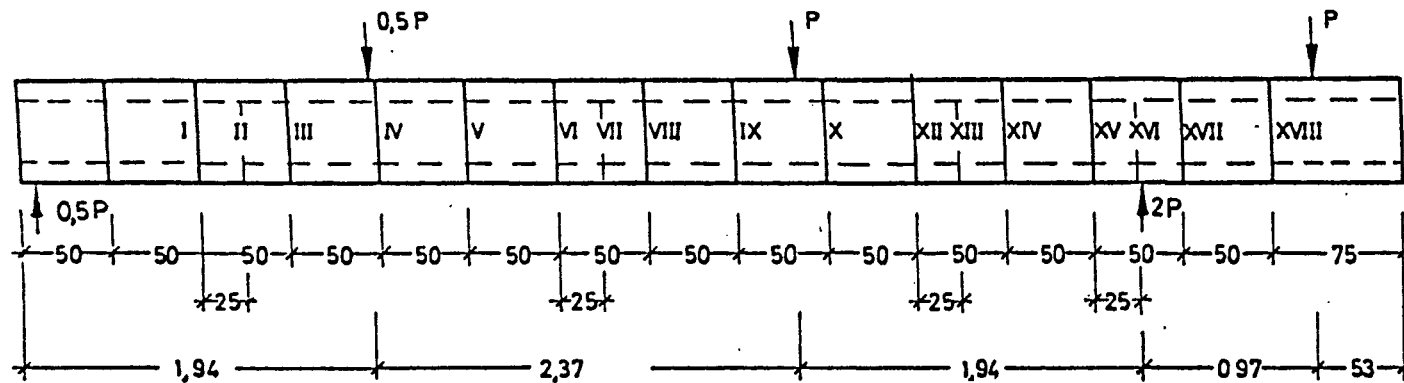
11

M/MU



Längsstahldehnungen des Balkens SETM Q2

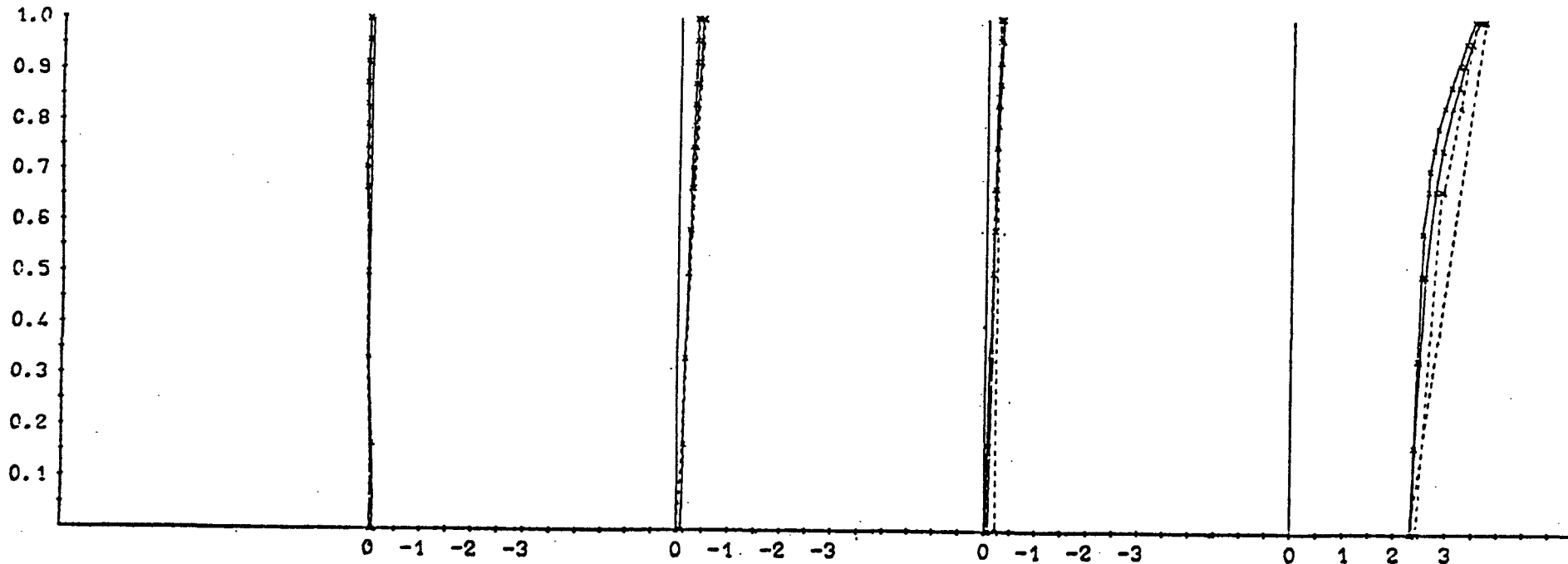
Schnitt XV



Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

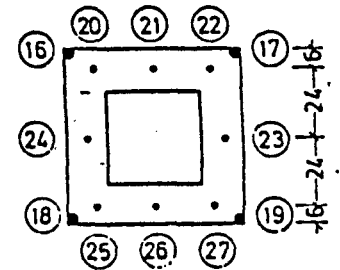
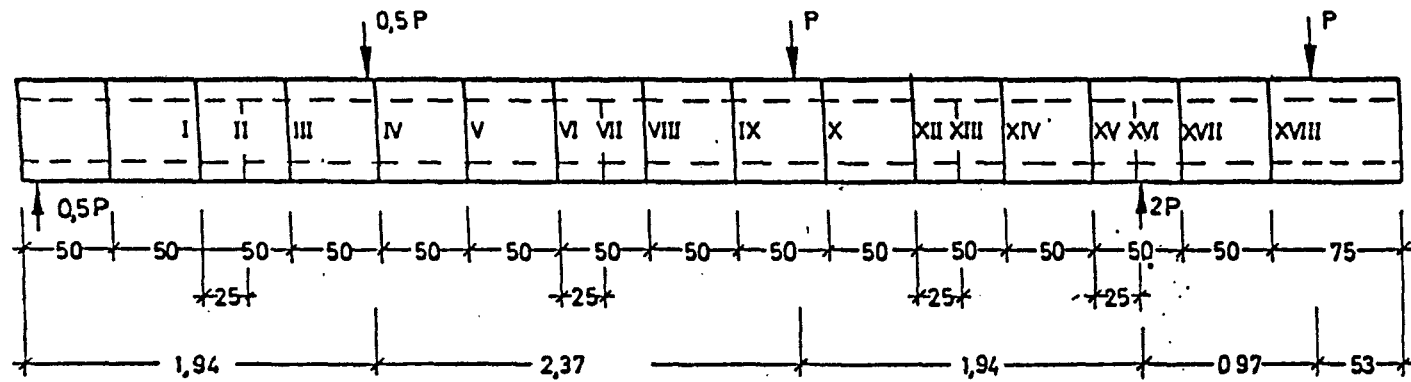
MESZSTELLENNUMMER 16 18 19 20

M/M_{ij}

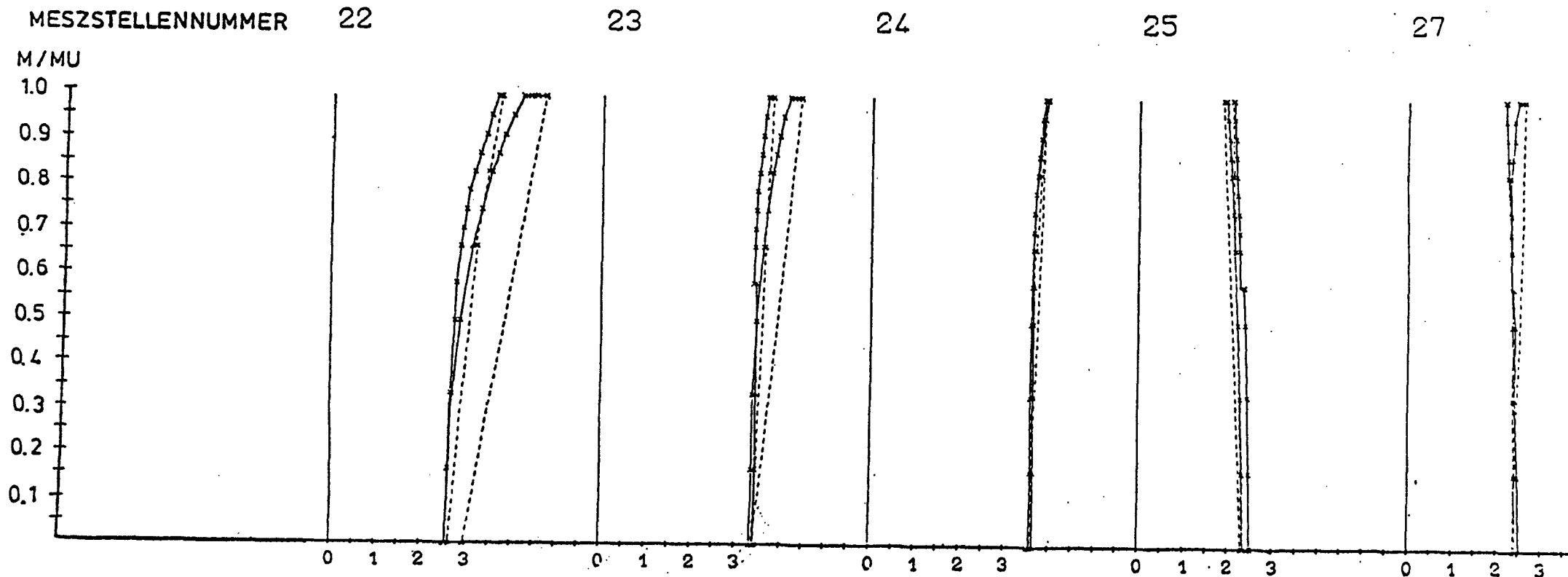


Längsstahldehnungen des Balkens SETM Q2

Schnitt XV

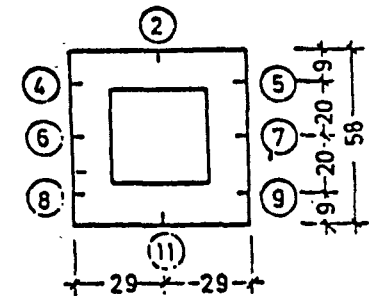
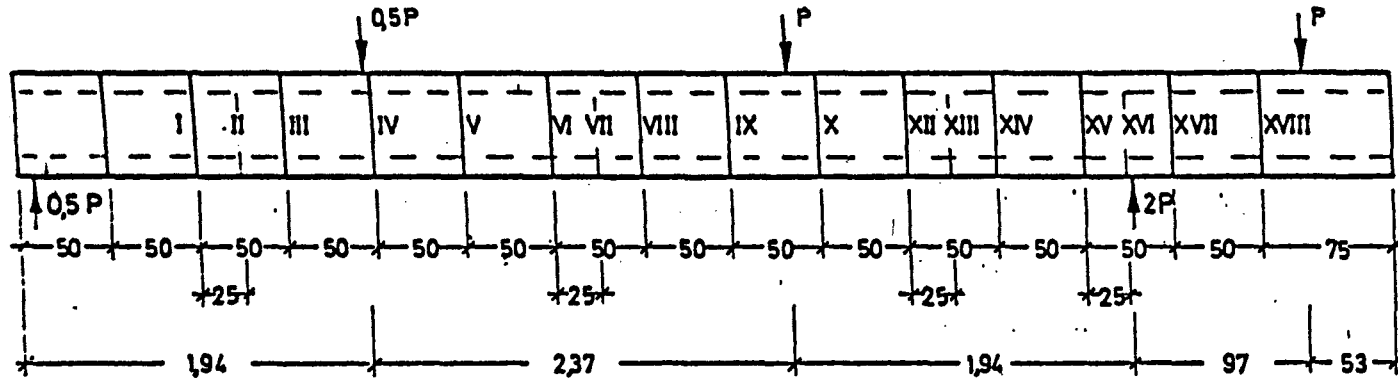


Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

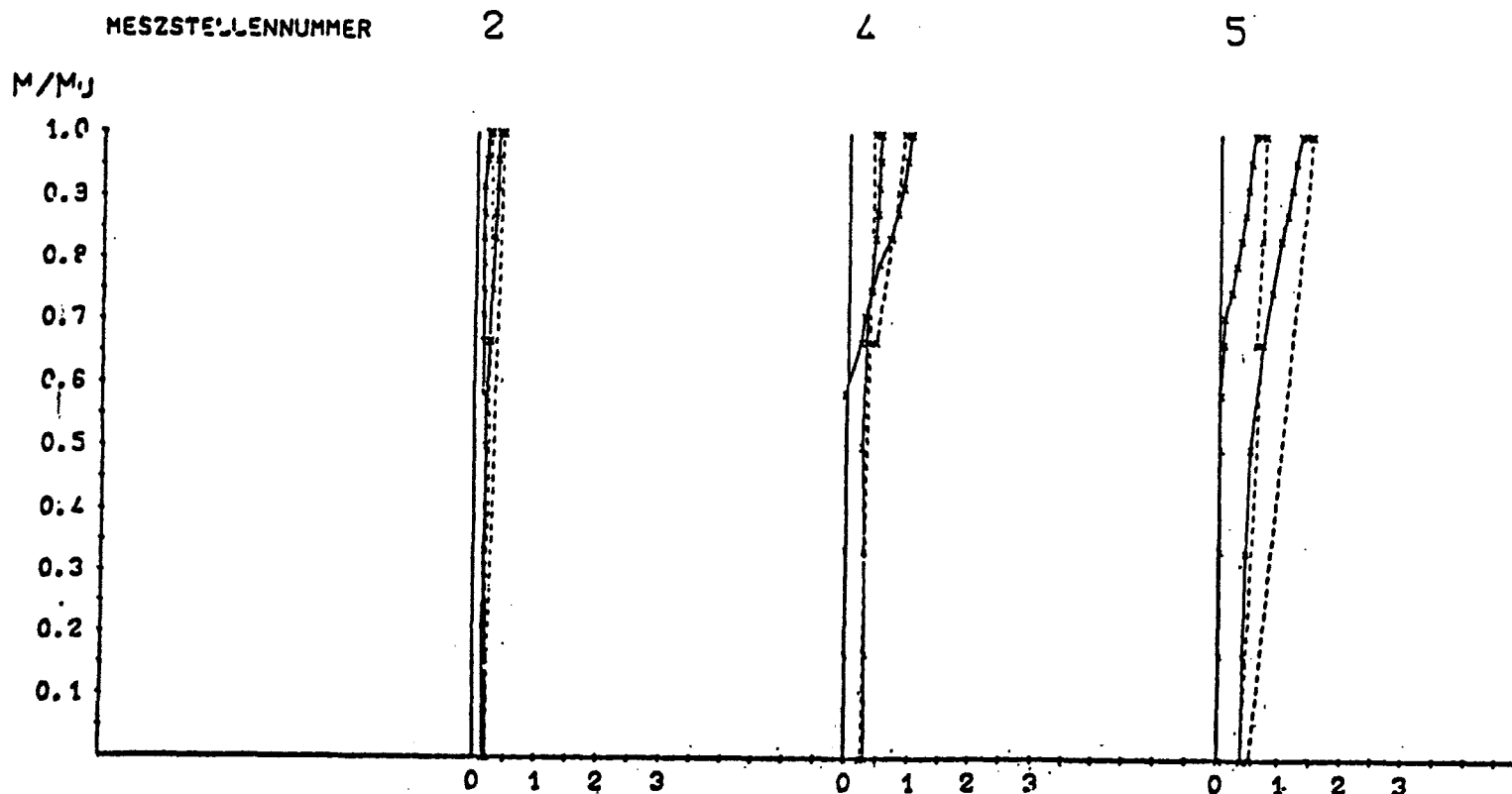


Bügeldehnungen des Balkens SETM Q2

Schnitt XV

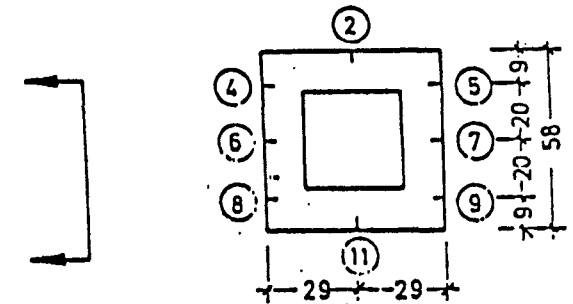
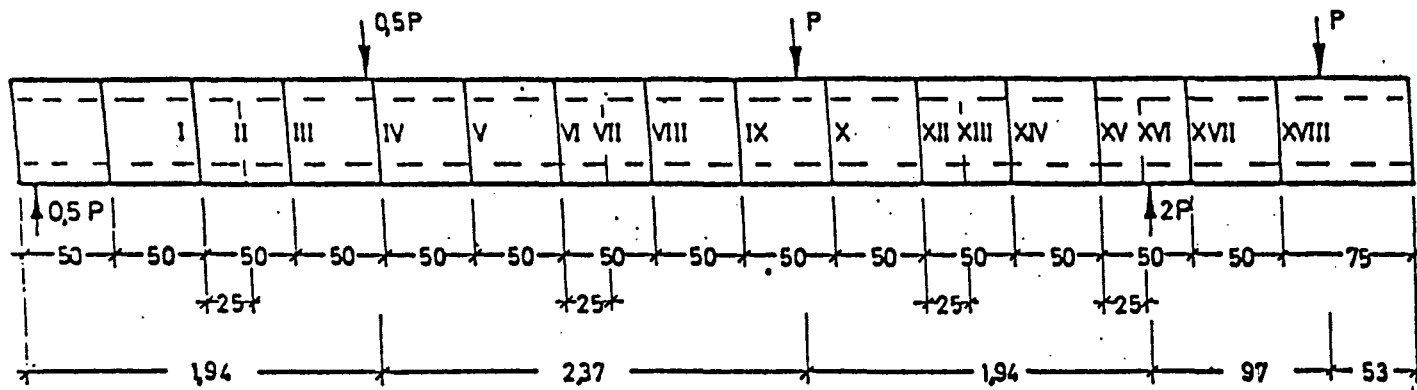


Meßquerschnitt
Meßstellen für Bügel



Bügeldehnungen des Balkens SETM Q2

Schnitt XV



Meßquerschnitt
Meßstellen für Bügel

MESZSTELLENNUMMER

6

7

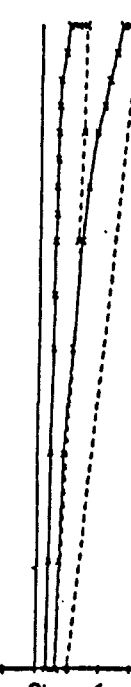
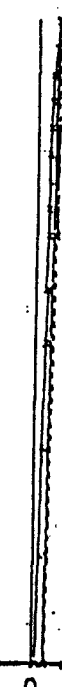
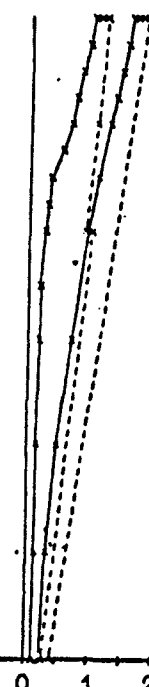
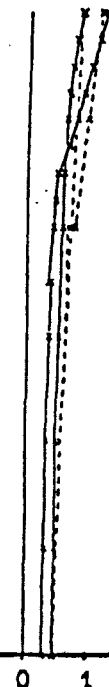
8

9

11

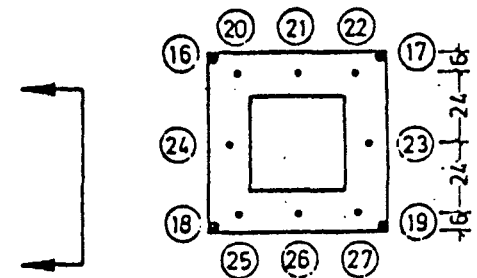
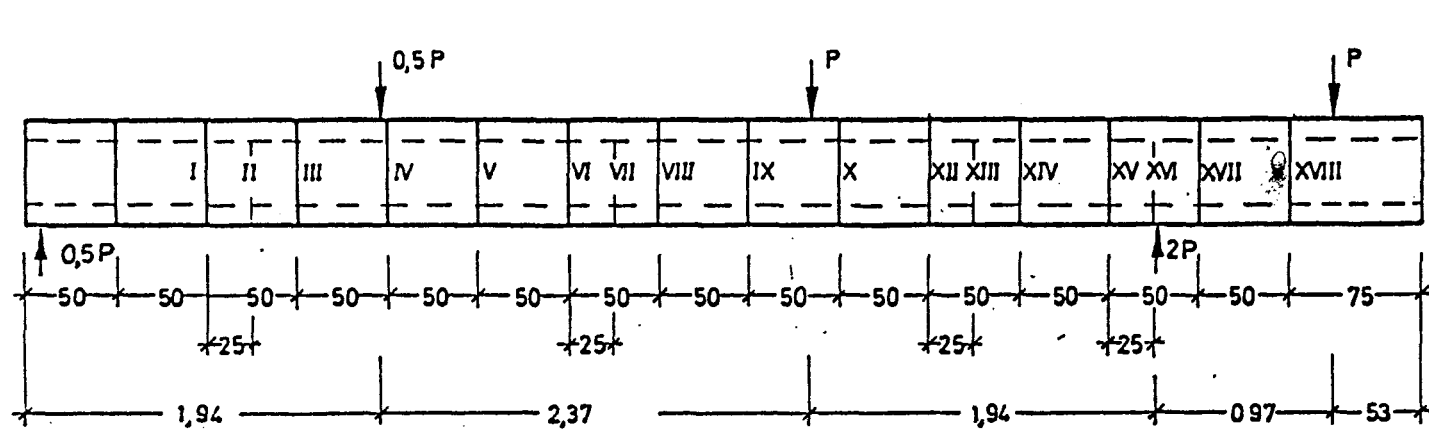
M/MU

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1



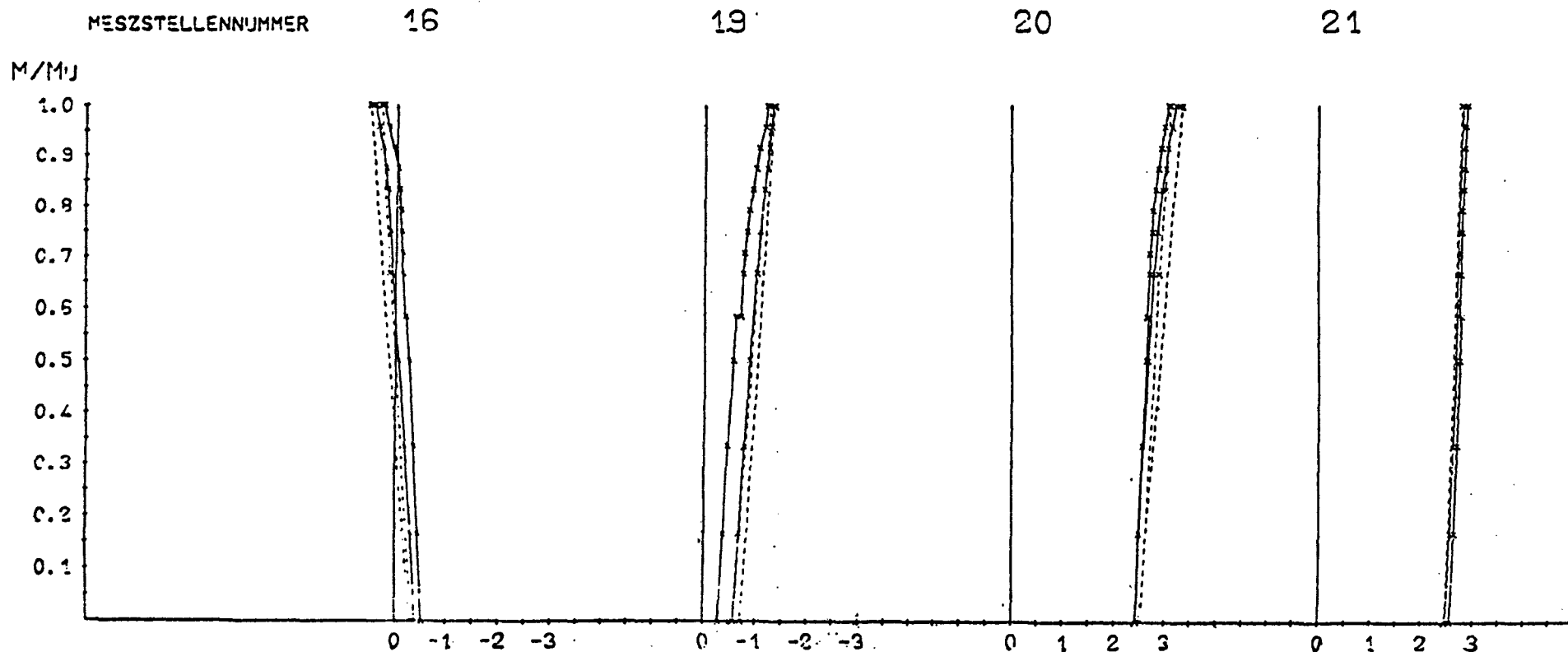
Längsstahldehnungen des Balkens SETM Q2

Schnitt XVI



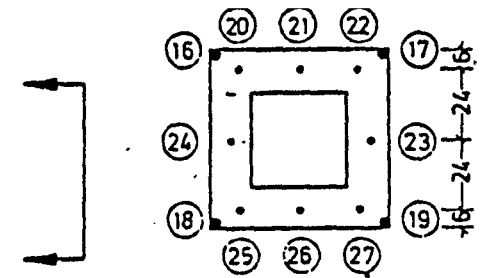
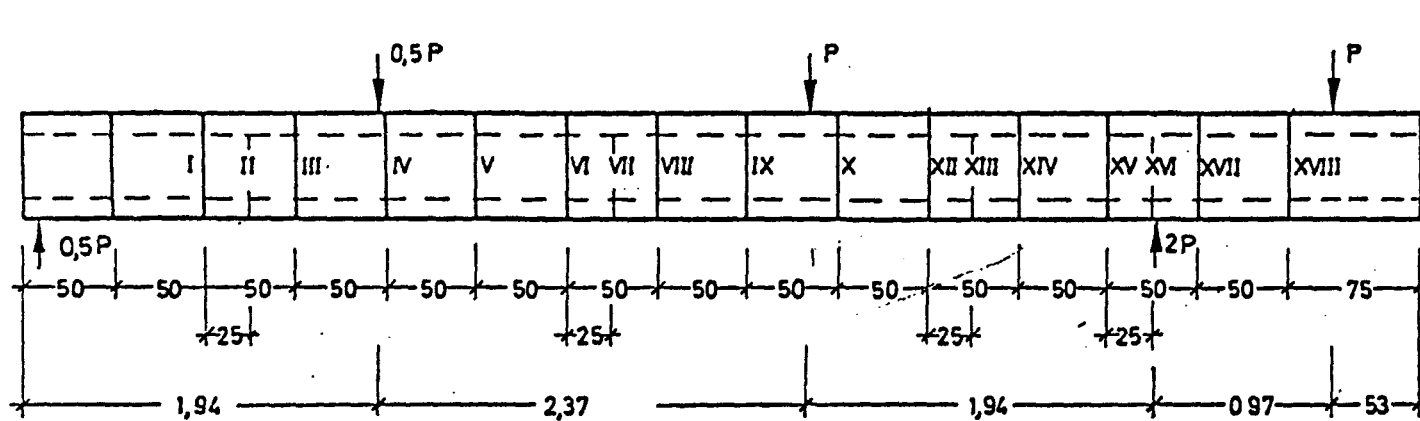
Meßquerschnitt

Meßstellen für Längsbewehrung (16-19) und Spannungsglieder (20-27)



Längsstahldehnungen des Balkens SETM Q2

Schnitt XVI



Meßquerschnitt

Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

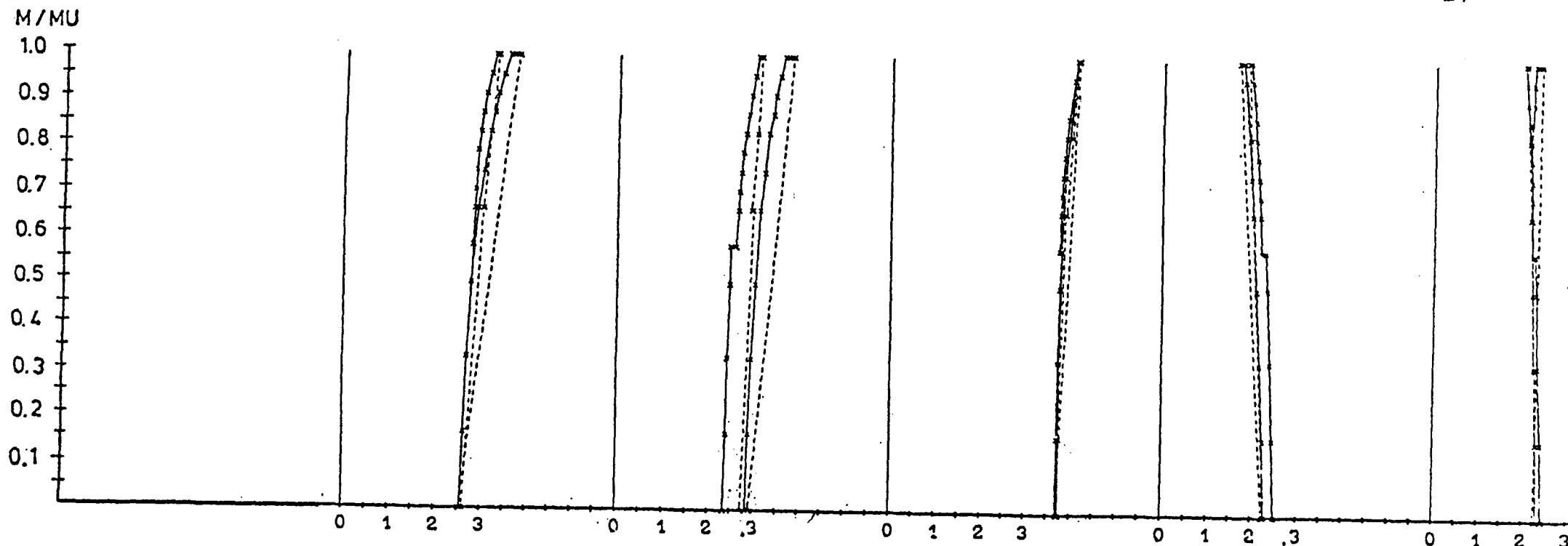
MESZSTELLENNUMMER 22

23

24

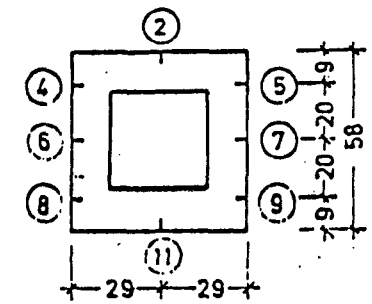
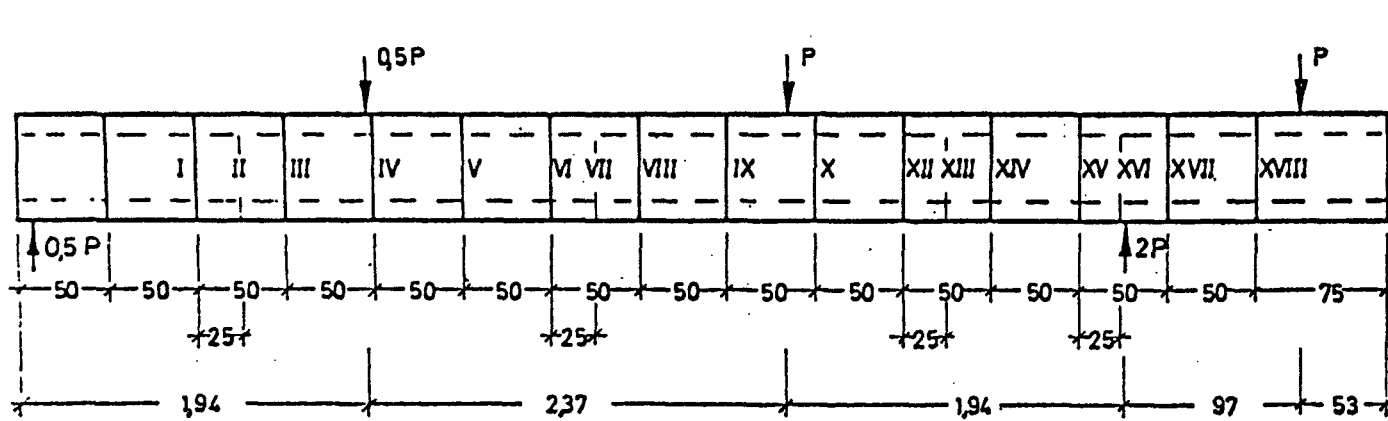
25

27

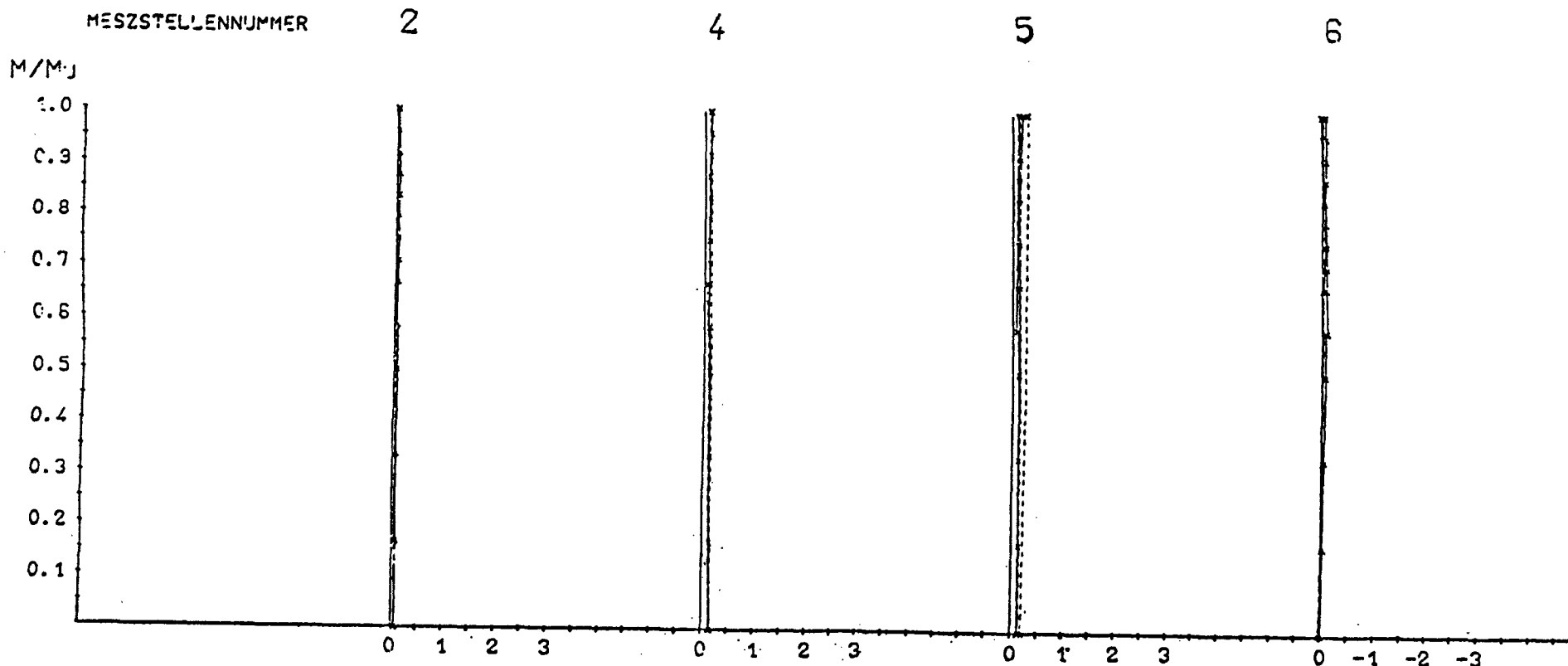


Bügeldehnungen des Balkens SETM Q2

Schnitt XVI

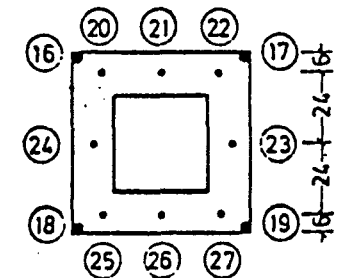
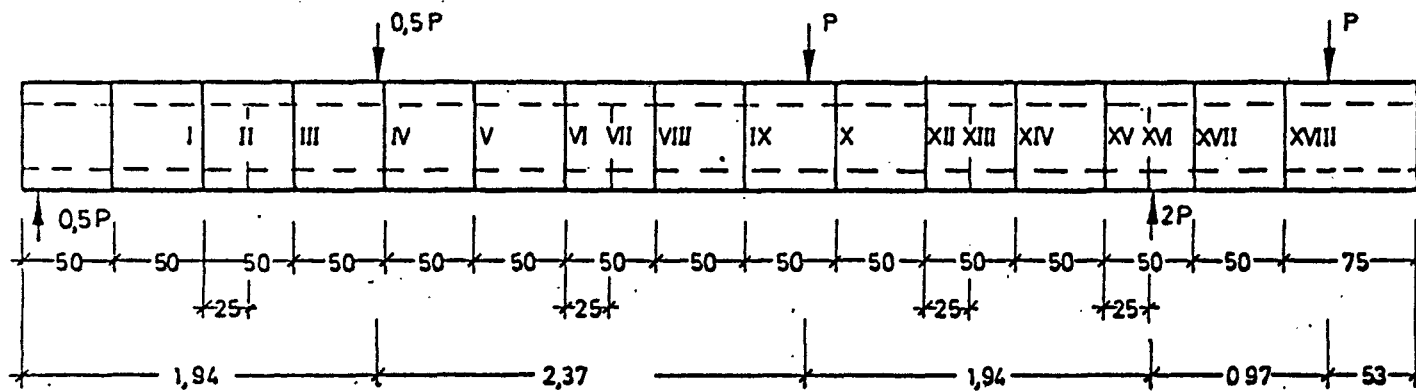


Meßquerschnitt
Meßstellen für Bügel



Längsstahldehnungen des Balkens SETM Q2

Schnitt XVII



Meßquerschnitt
Meßstellen für Längsbewehrung (16-19) und Spannglieder (20-27)

MESZSTELLENUMMER

20

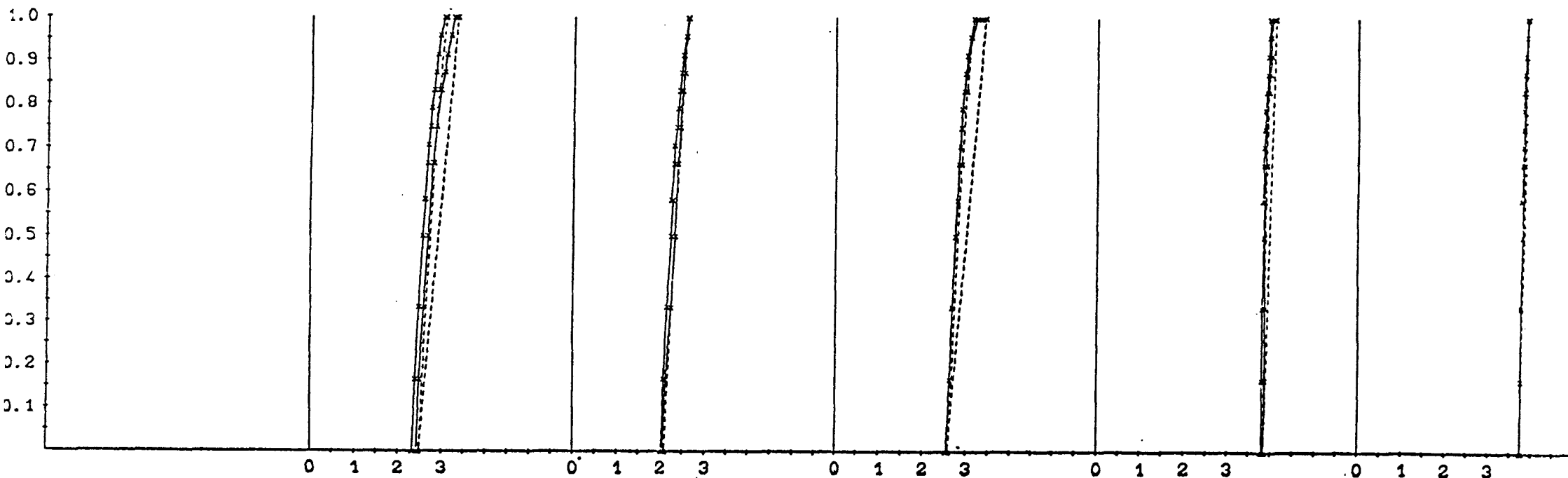
21

22

23

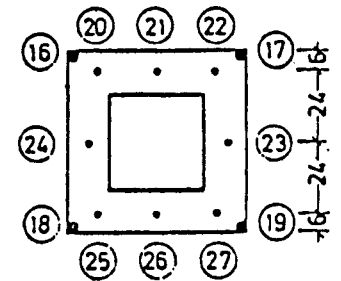
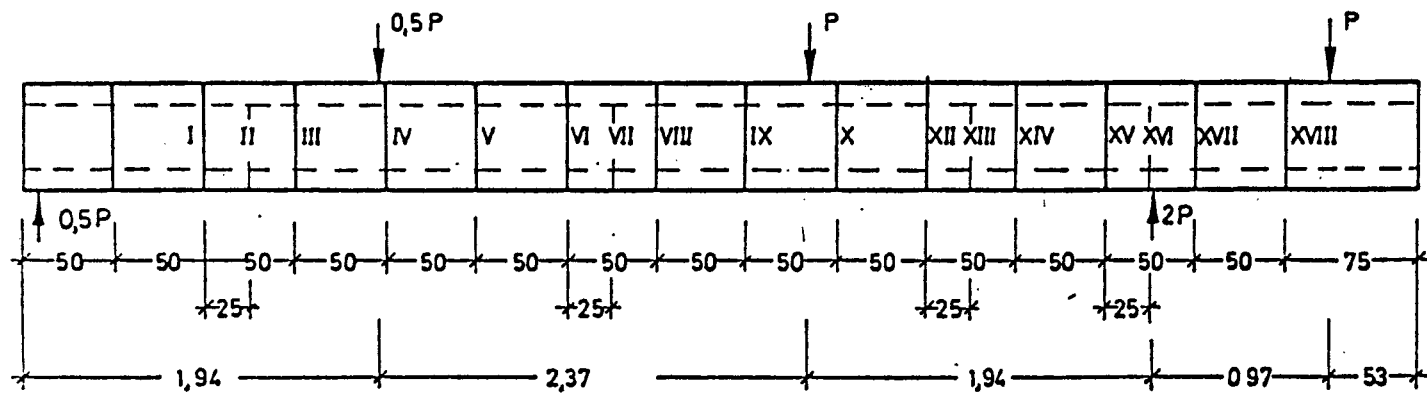
24

1/MU



Längsstahldehnungen des Balkens SETM Q2

Schnitt XVIII



Meßquerschnitt
 Meßstellen für Längs-
 bewehrung (16-19) und
 Spannglieder (20-27)

MESZSTELLENUMMER

20

21

22

23

24

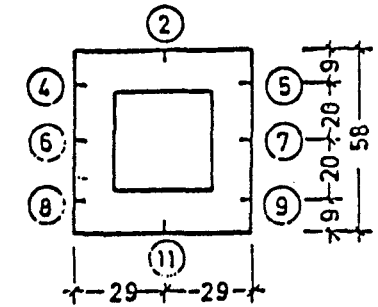
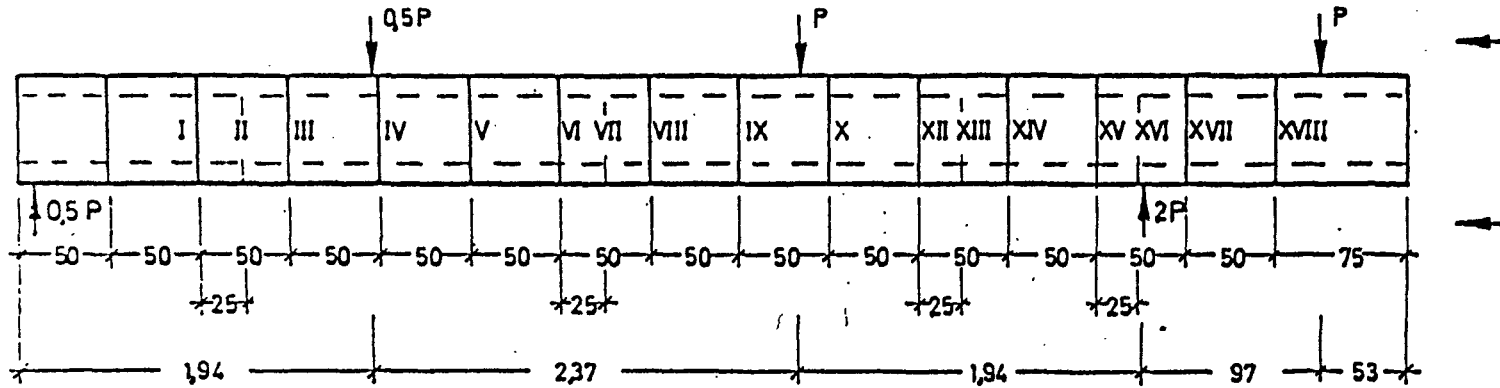
M/MU

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

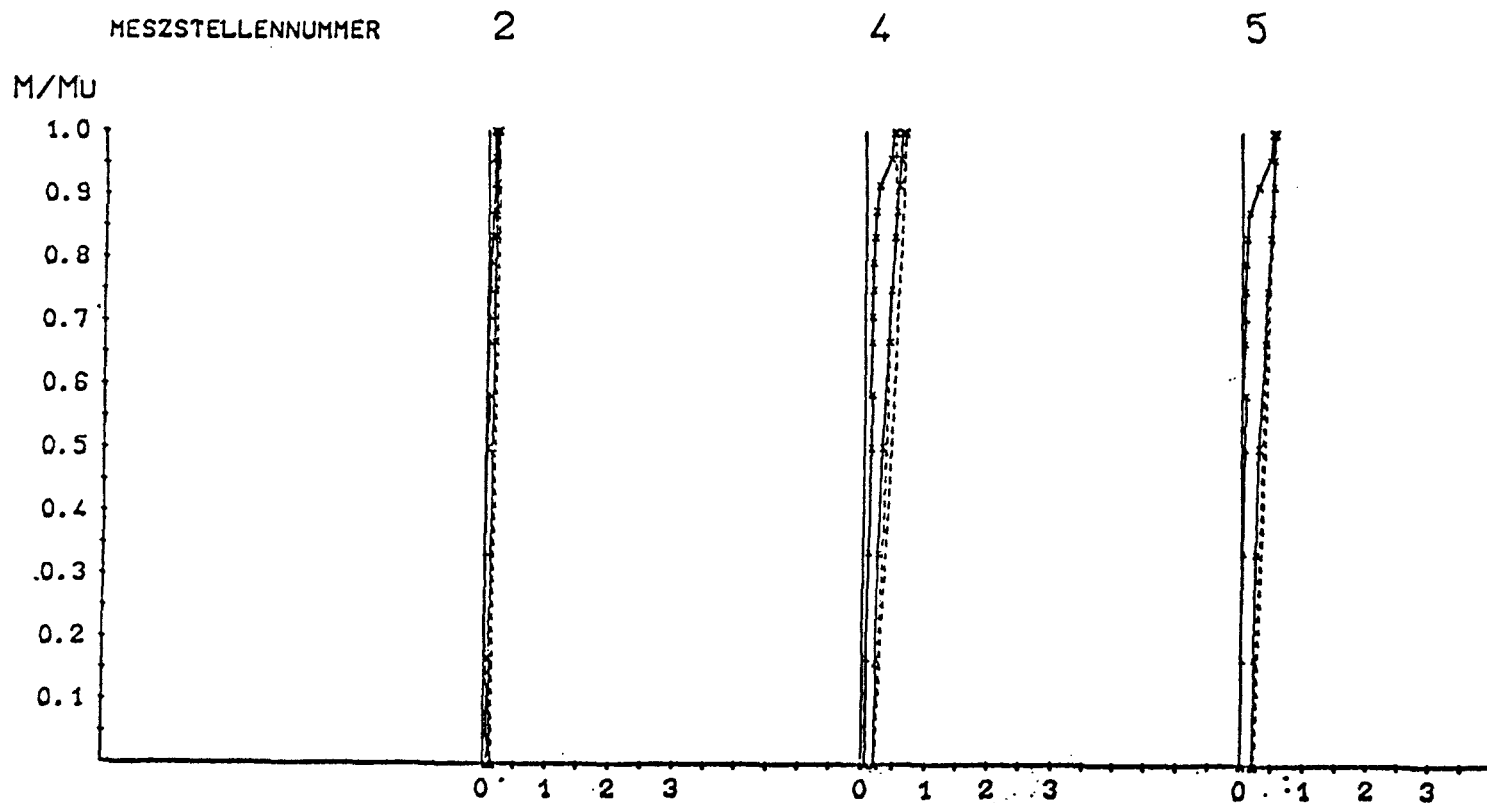
0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3

Bügeldehnungen des Balkens SETM QZ

Schnitt XVIII

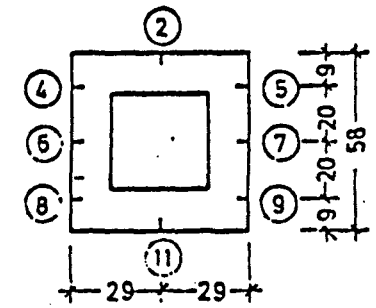
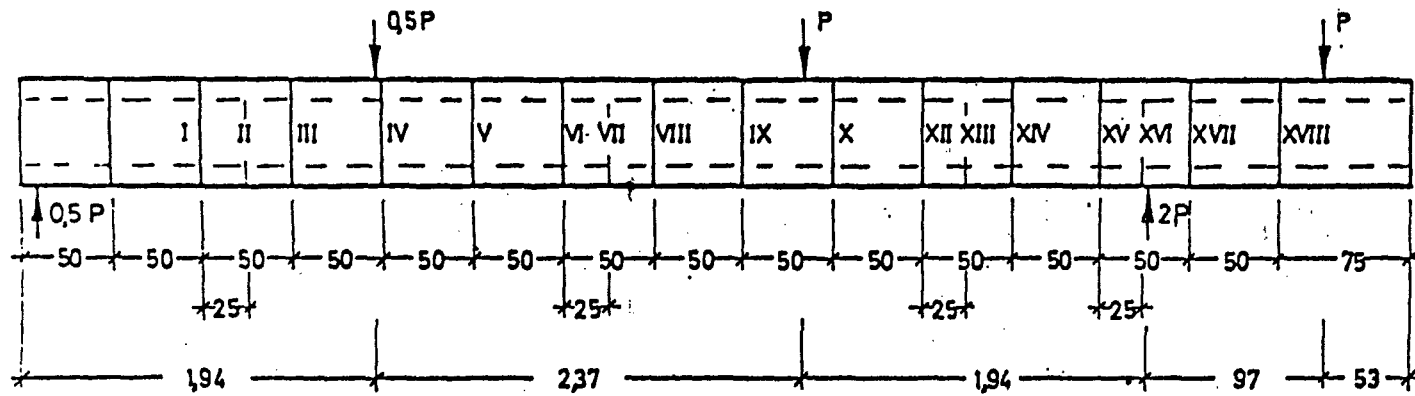


Meßquerschnitt
Meßstellen für Bügel

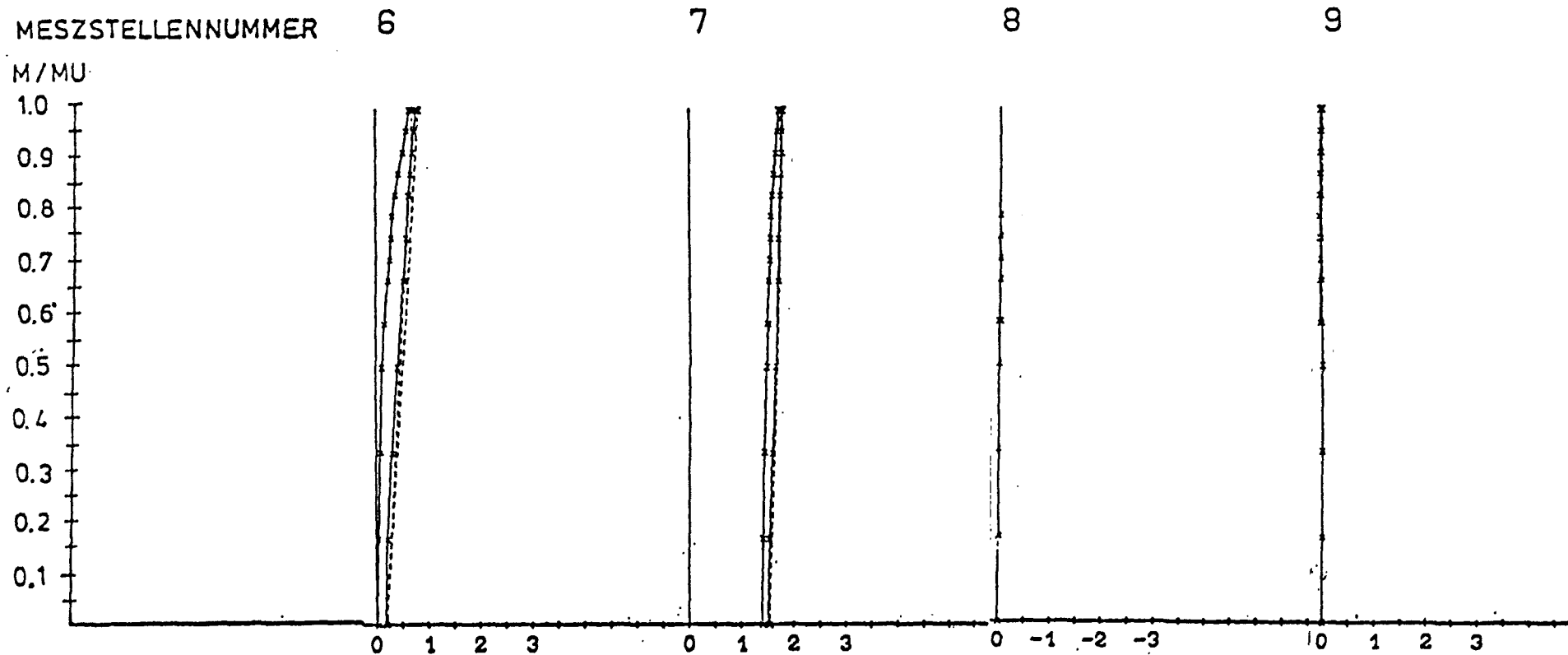


Bügeldehnungen des Balkens SETM Q2

Schnitt XVIII



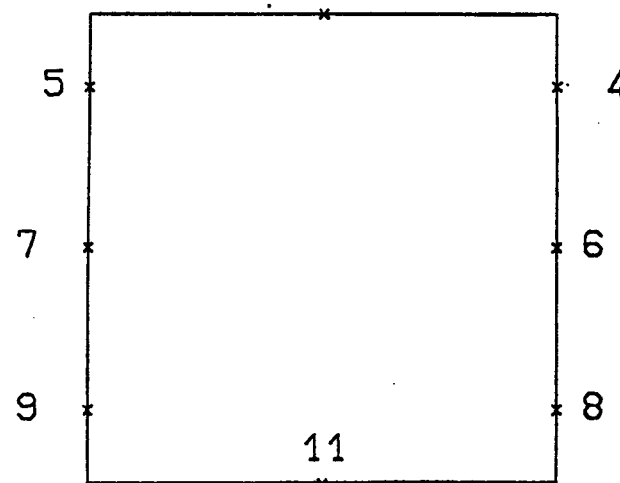
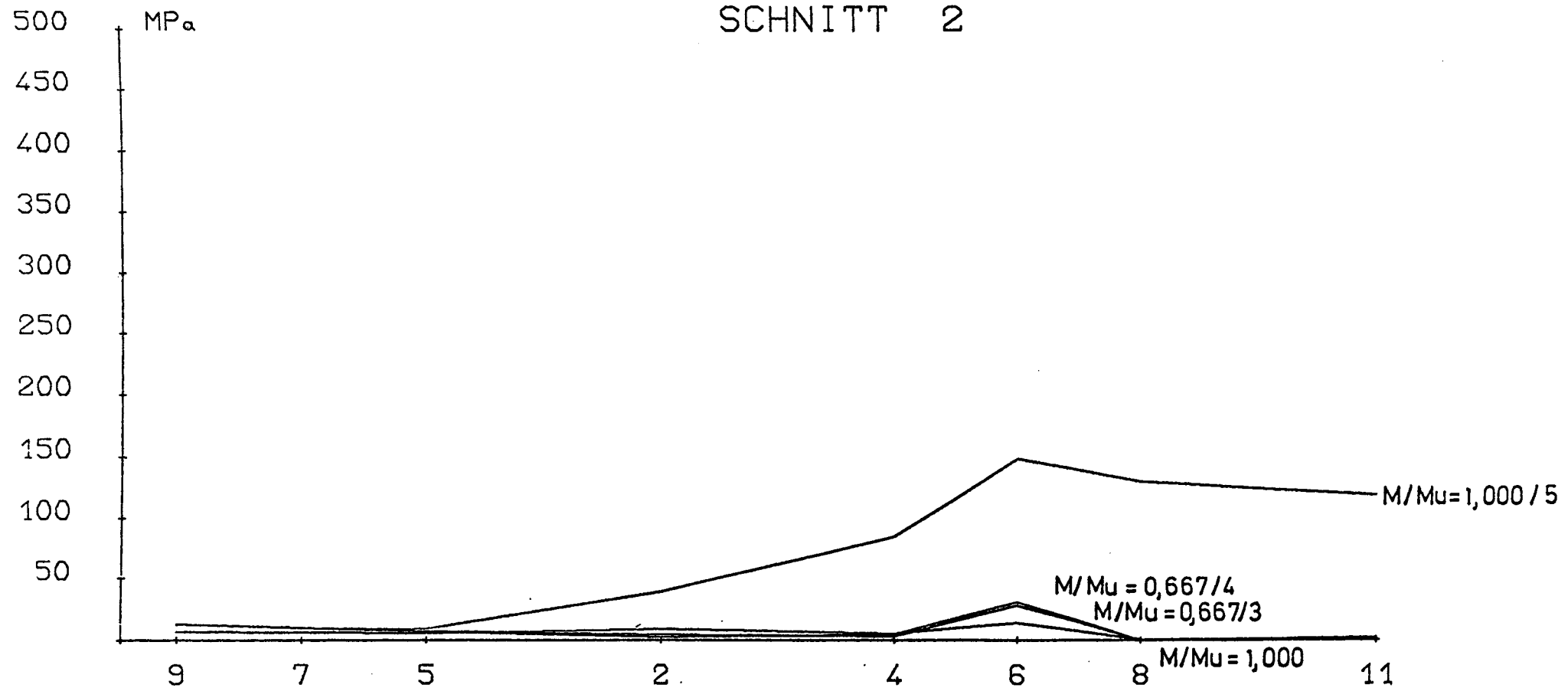
Meßquerschnitt
Meßstellen für Bügel



E Bügelspannungen

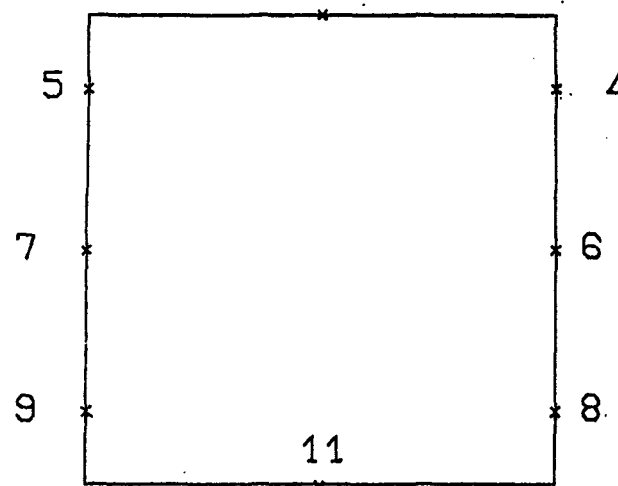
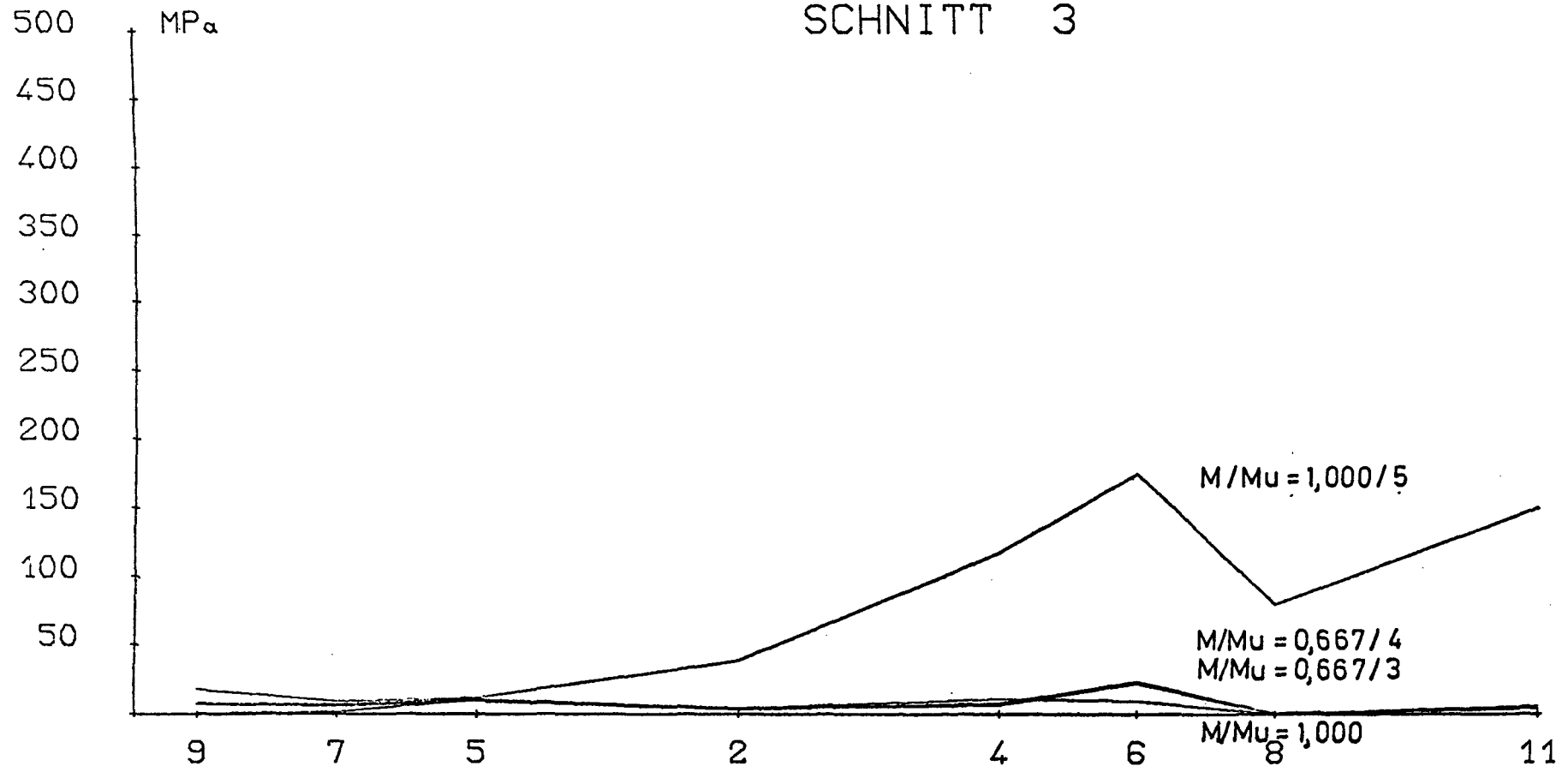
BUEGELSPANNUNGEN DES BALKENS SETMQ 2

SCHNITT 2



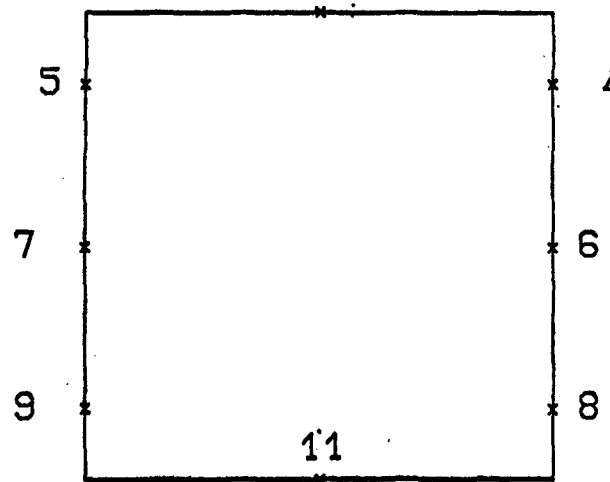
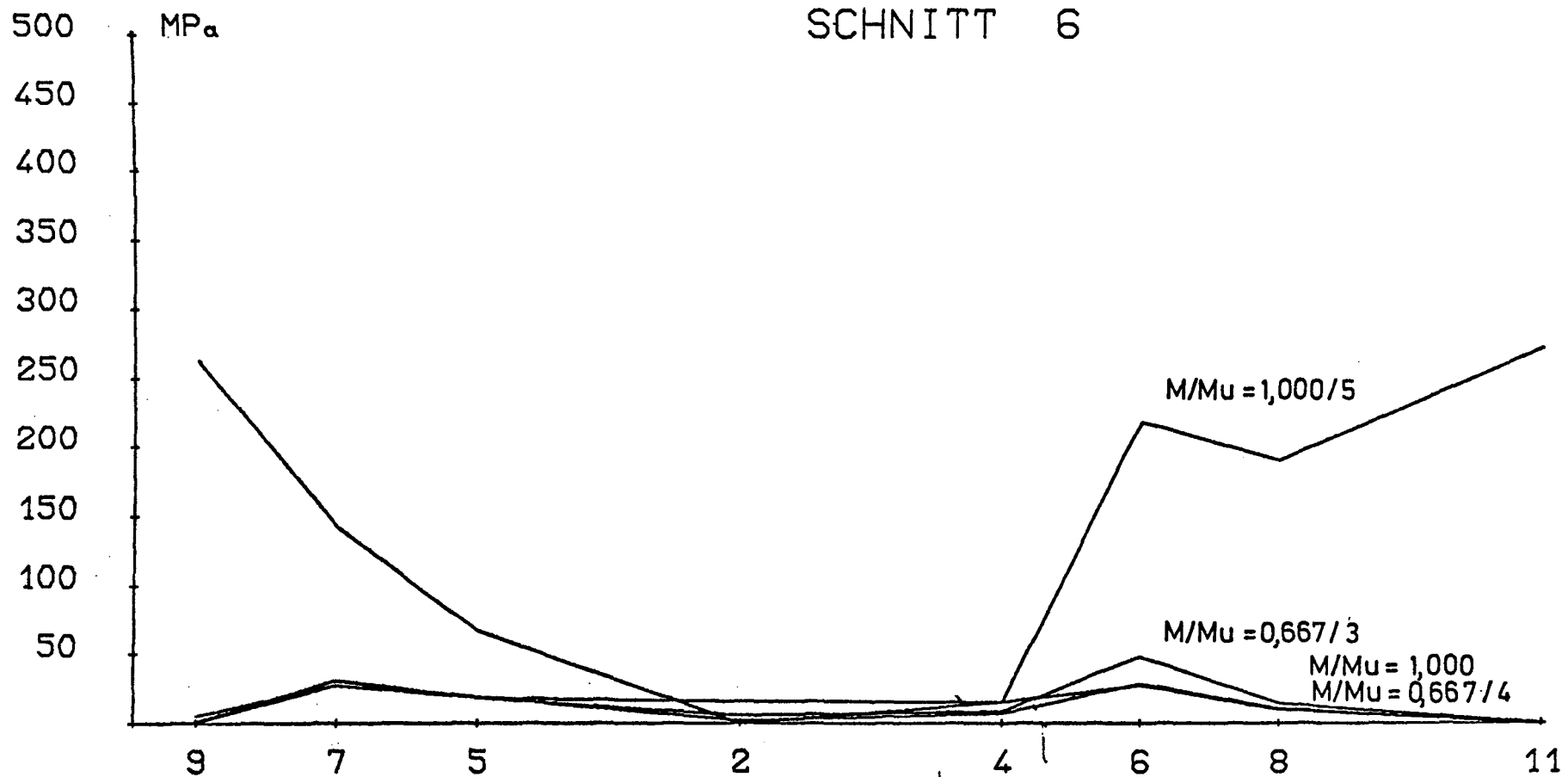
BUEGELSPANNUNGEN DES BALKENS SETMQ 2

SCHNITT 3

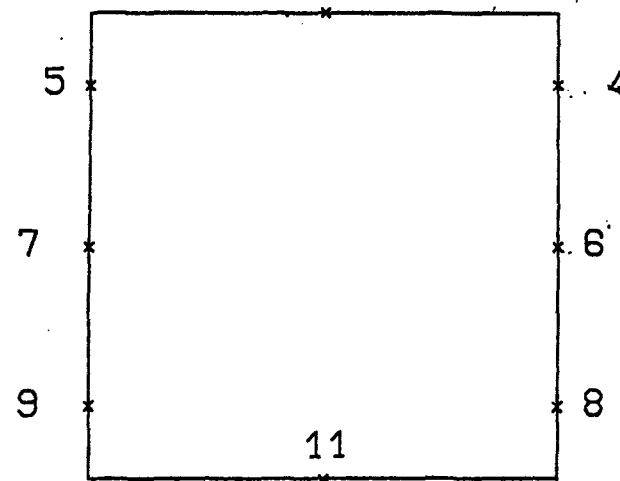
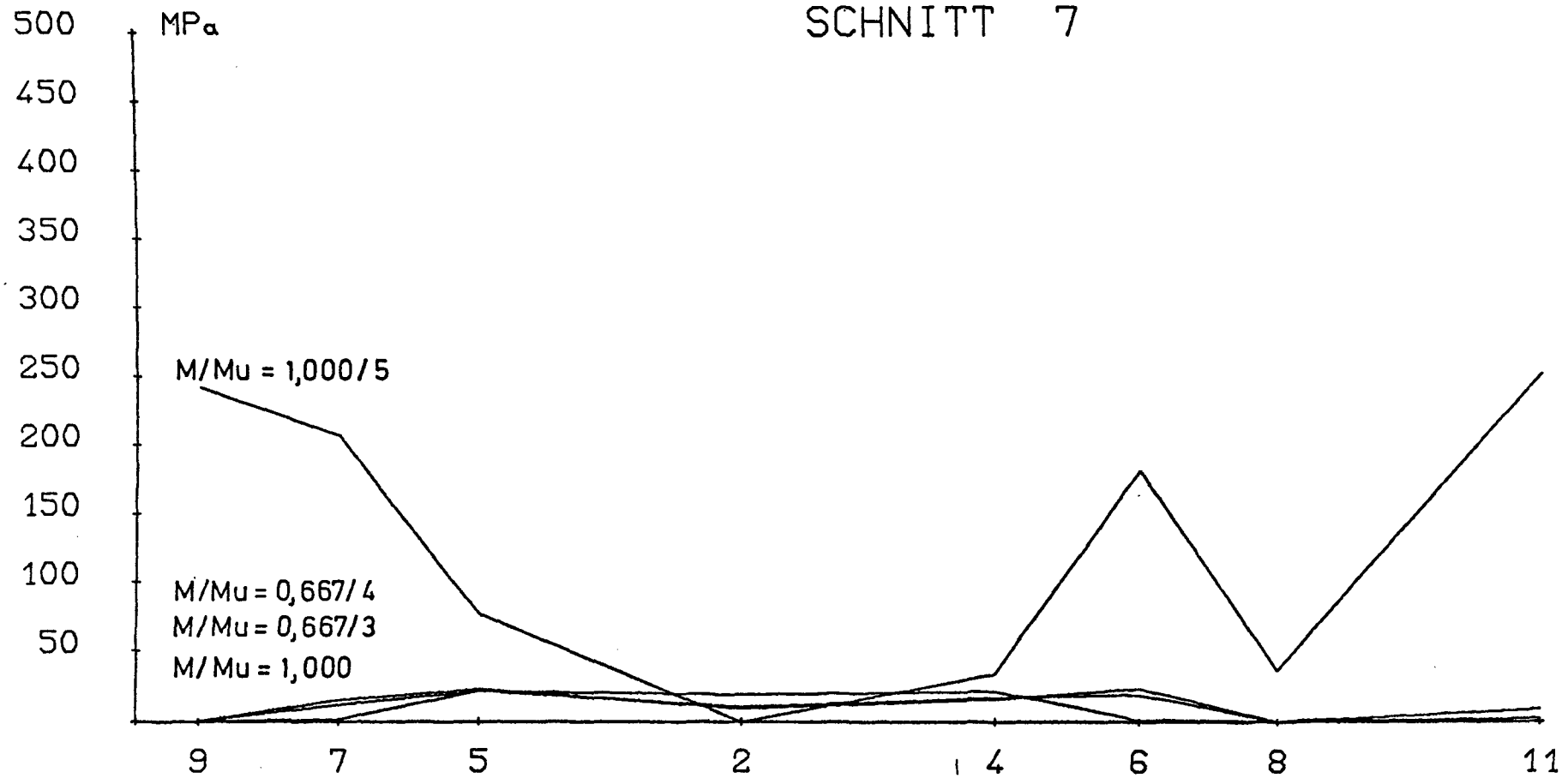


BÜGELSPANNUNGEN DES BALKENS SETMQ 2

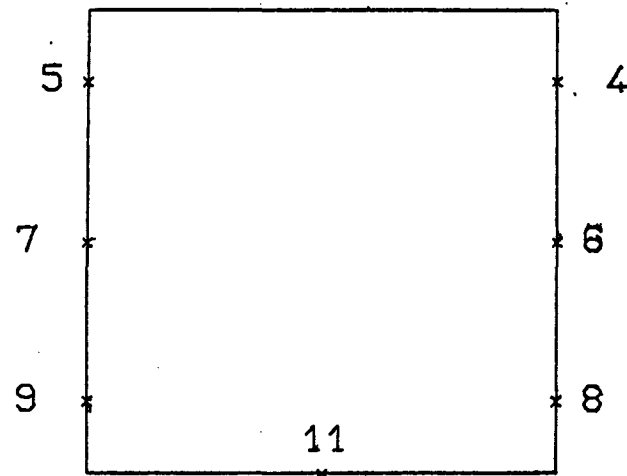
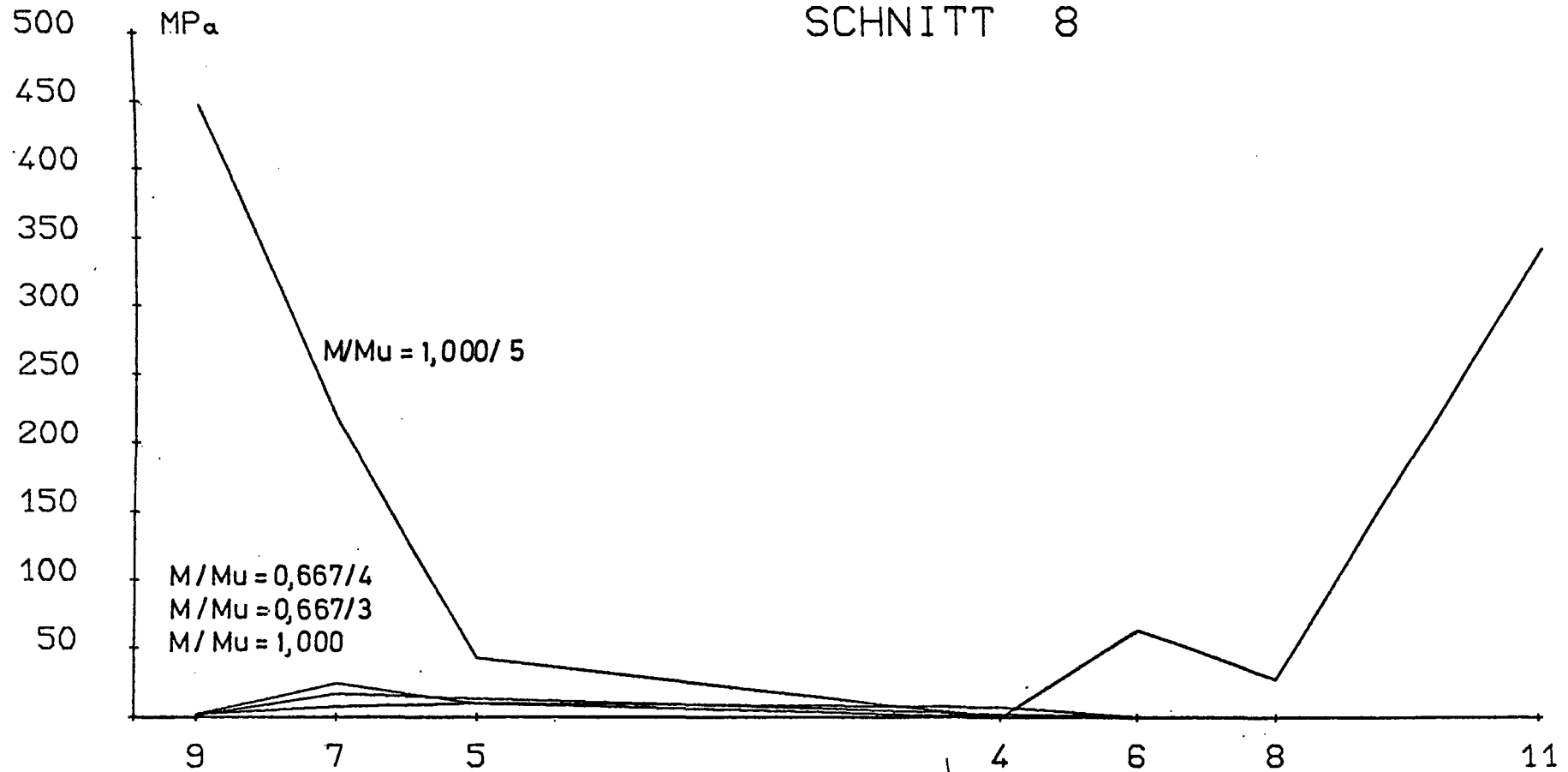
SCHNITT 6



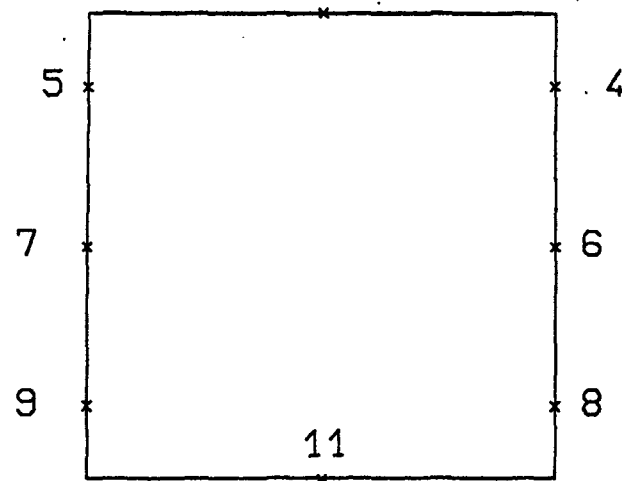
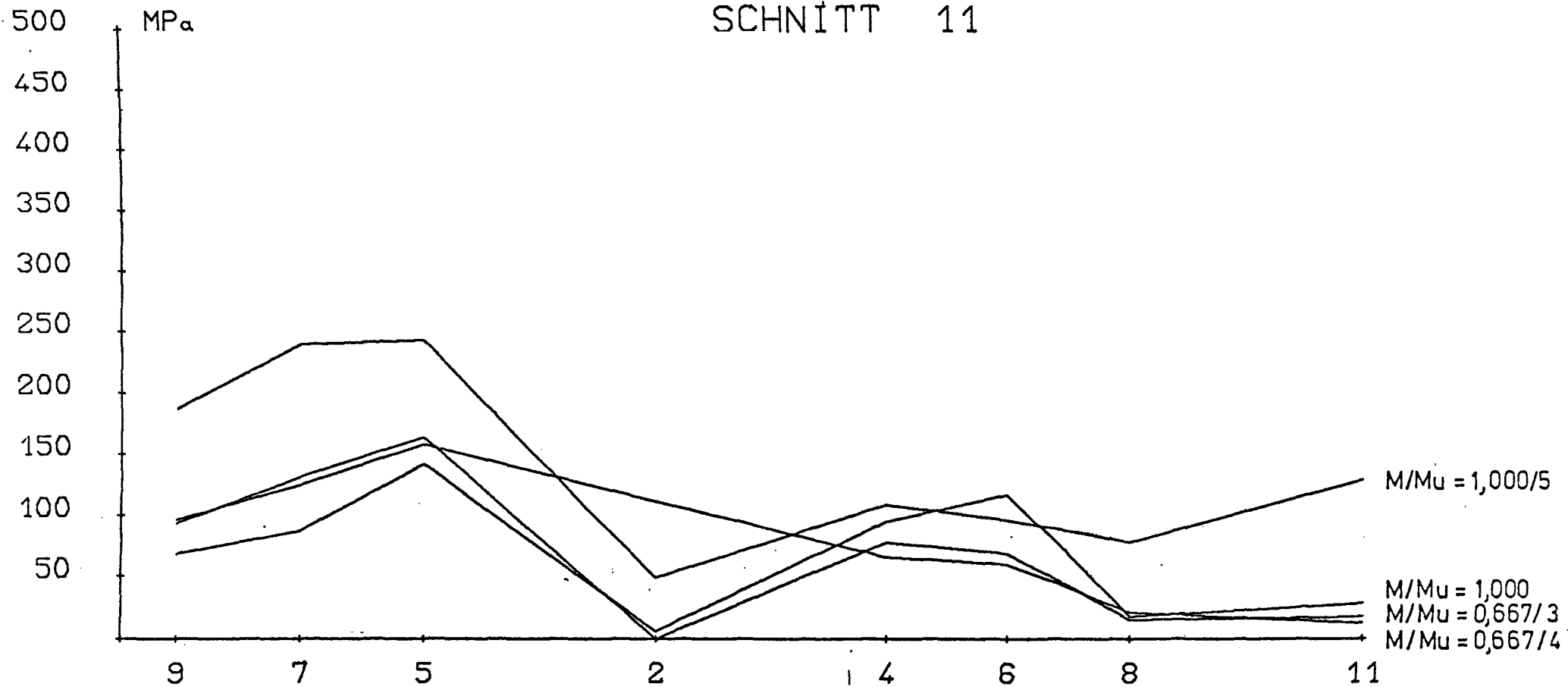
SCHNITT 7



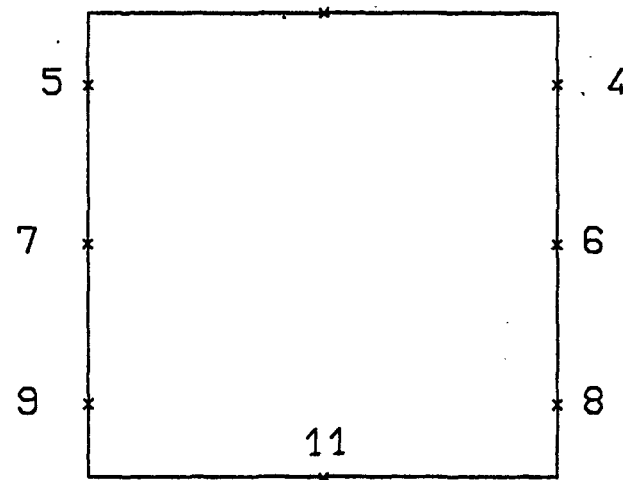
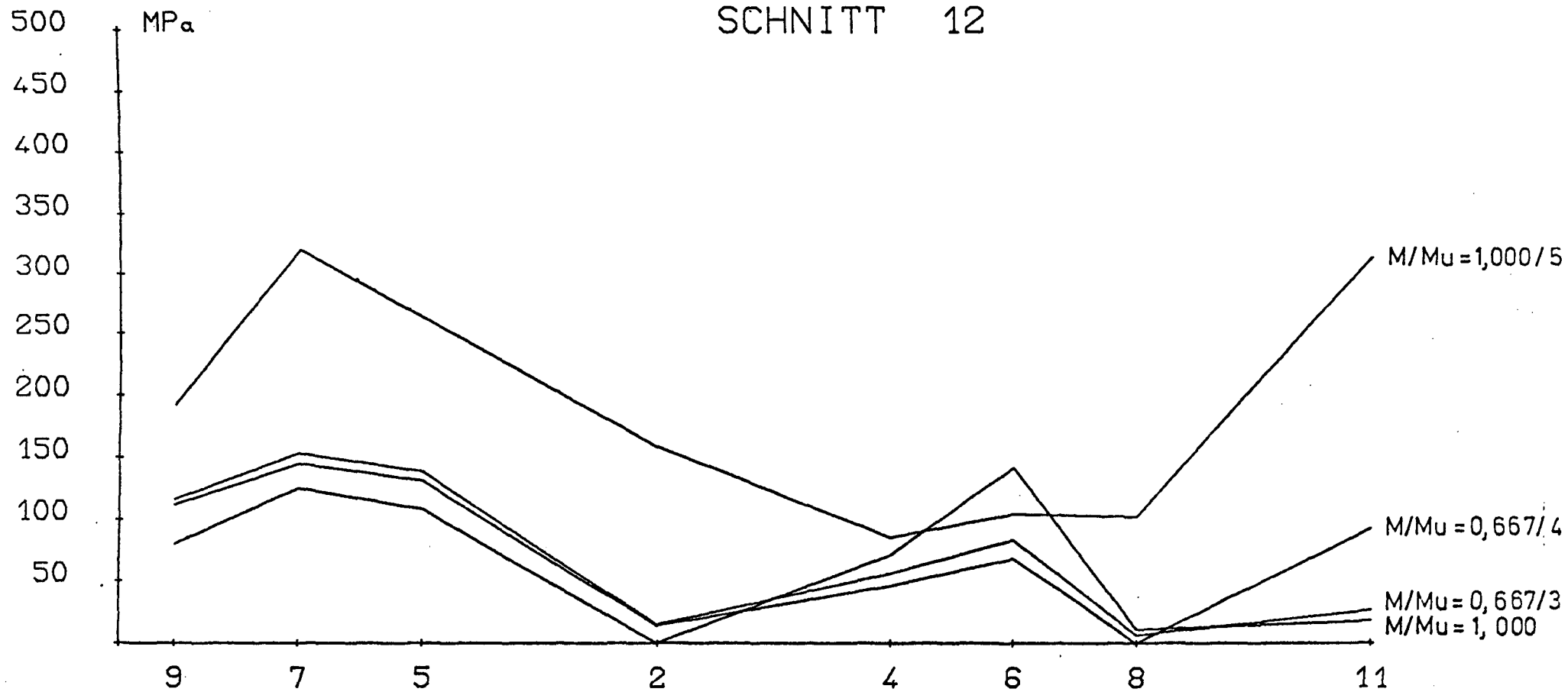
SCHNITT 8



SCHNITT 11



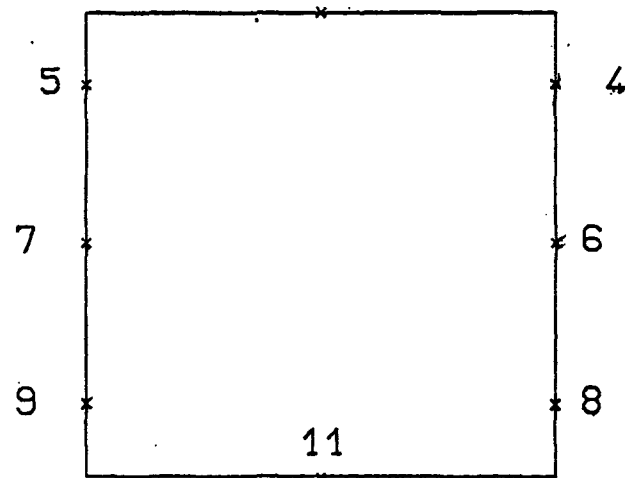
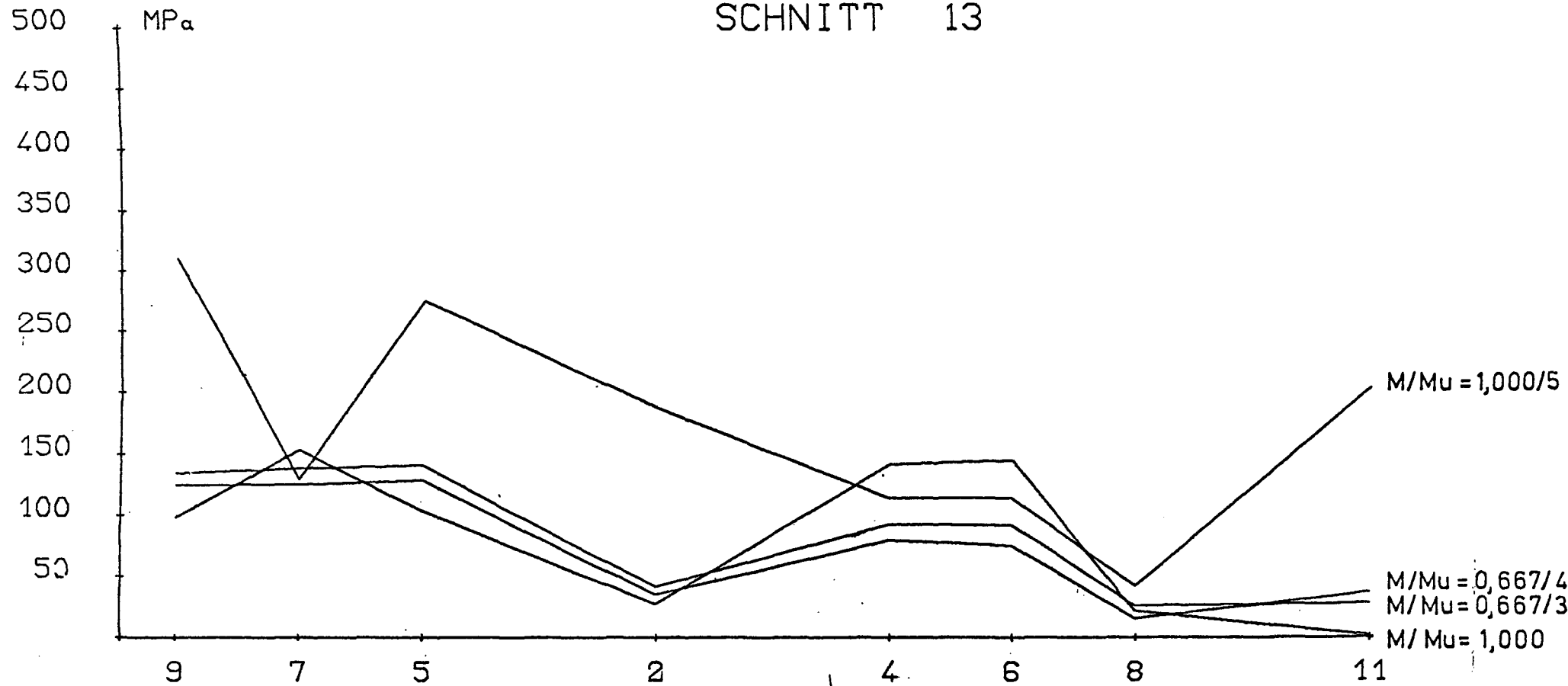
SCHNITT 12



BUEGELSPANNUNGEN DES BALKENS

SETMQ 2

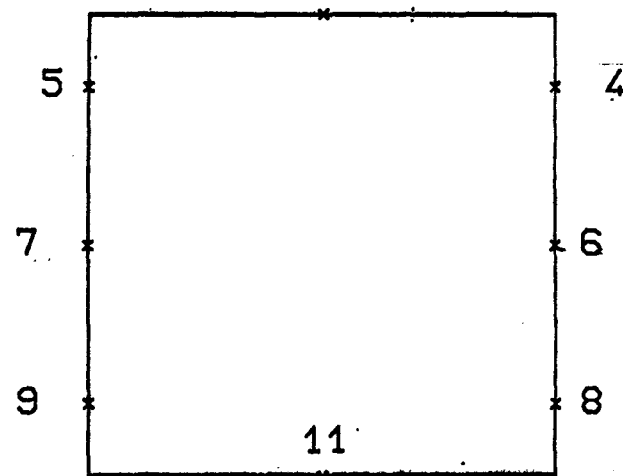
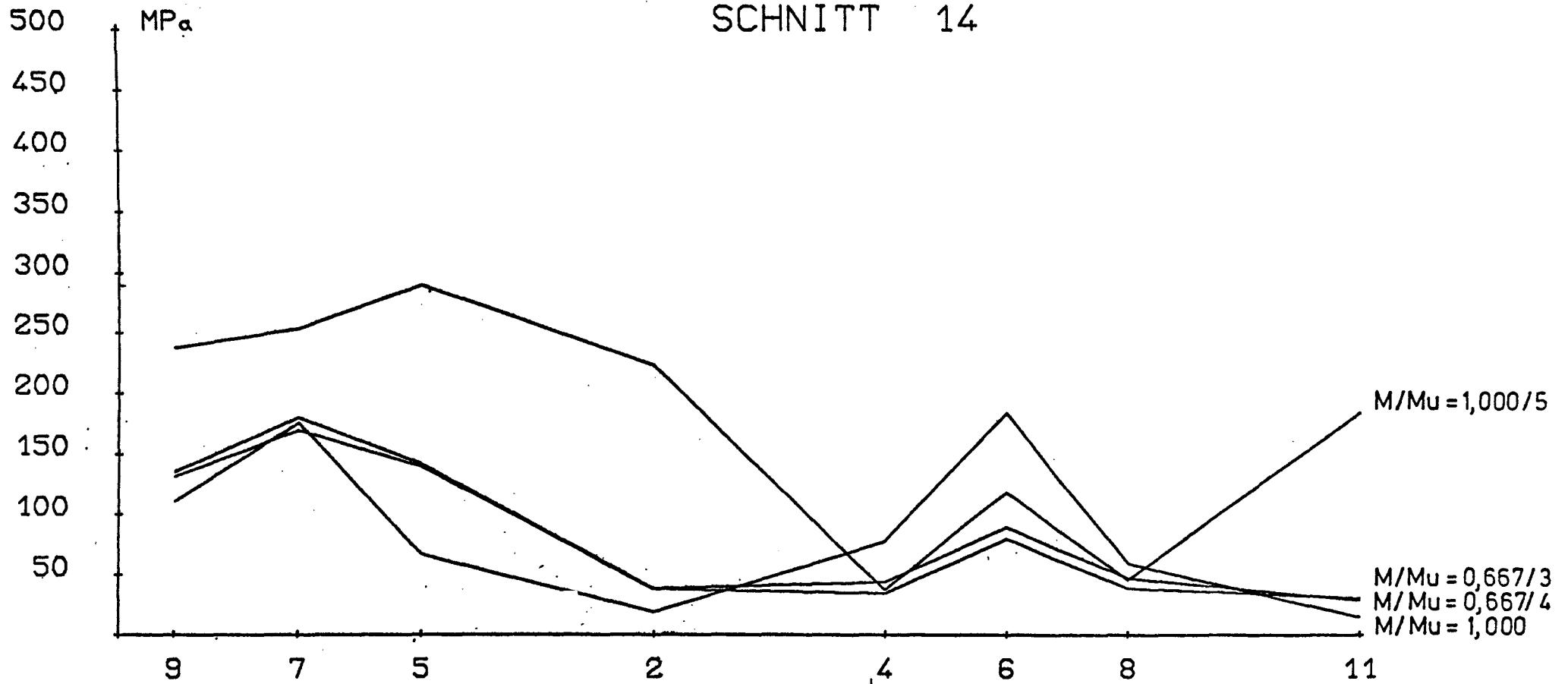
SCHNITT 13



BUEGELSPANNUNGEN DES BALKENS

SETMQ 2

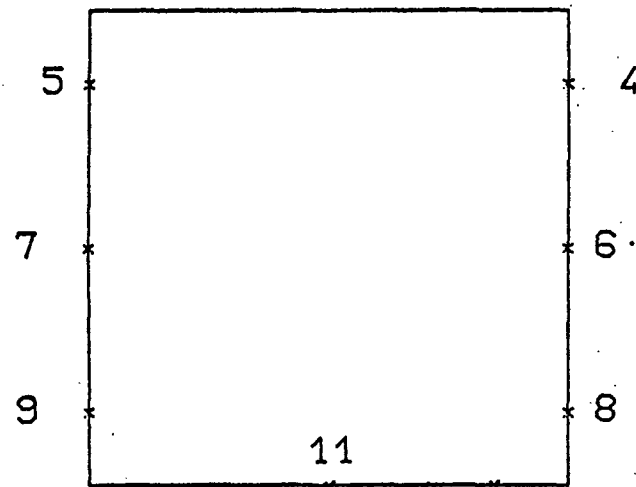
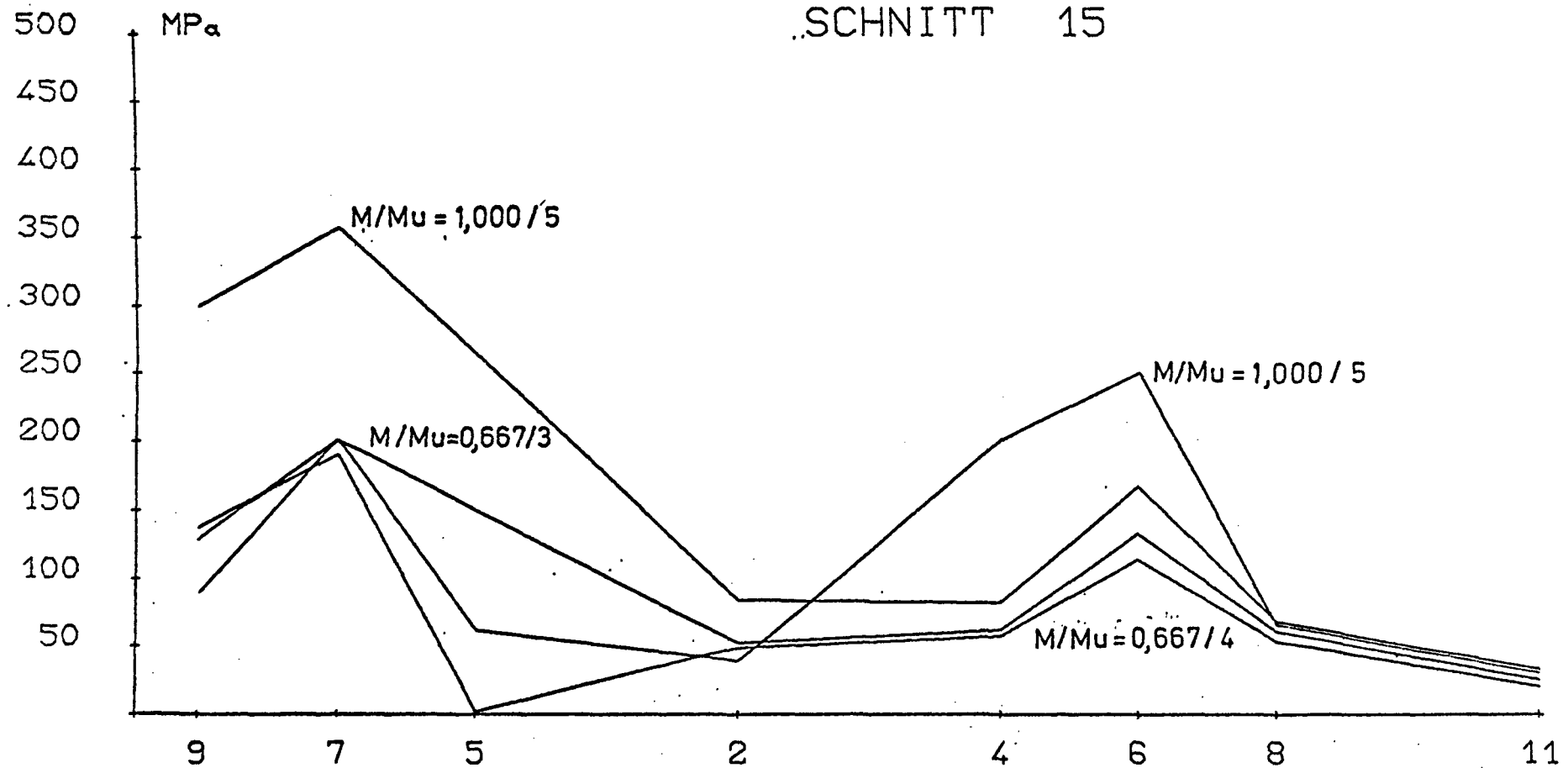
SCHNITT 14



BUEGELSPANNUNGEN DES BALKENS

SETMQ 2

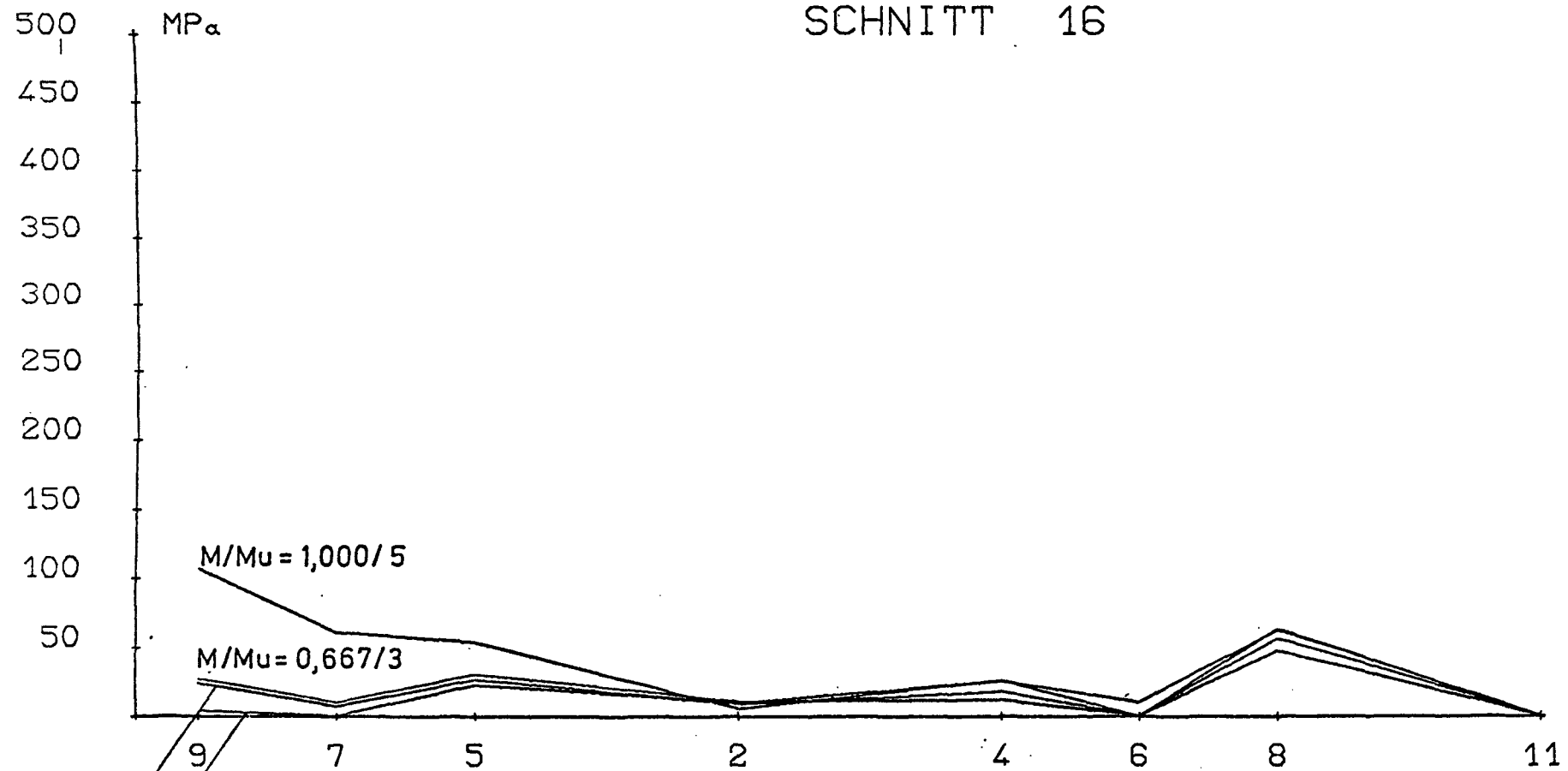
„SCHNITT 15



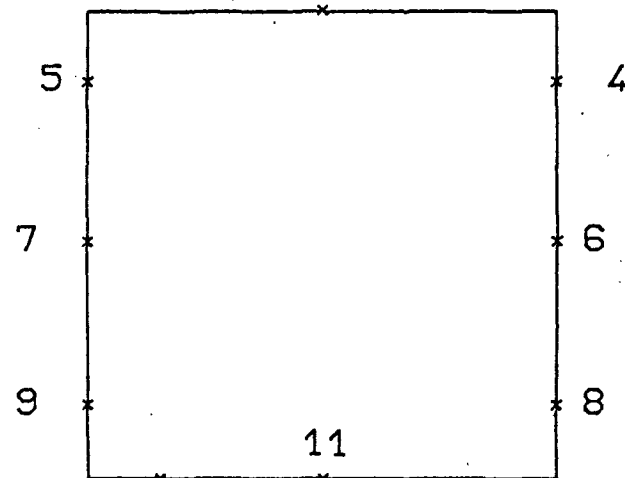
BUEGELSPANNUNGEN DES BALKENS

SETMQ 2

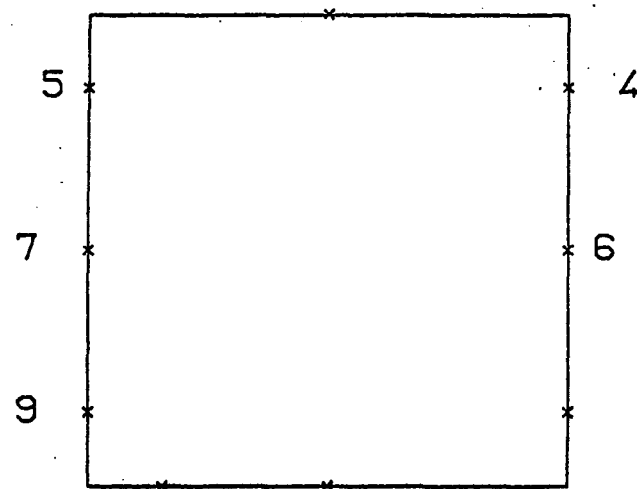
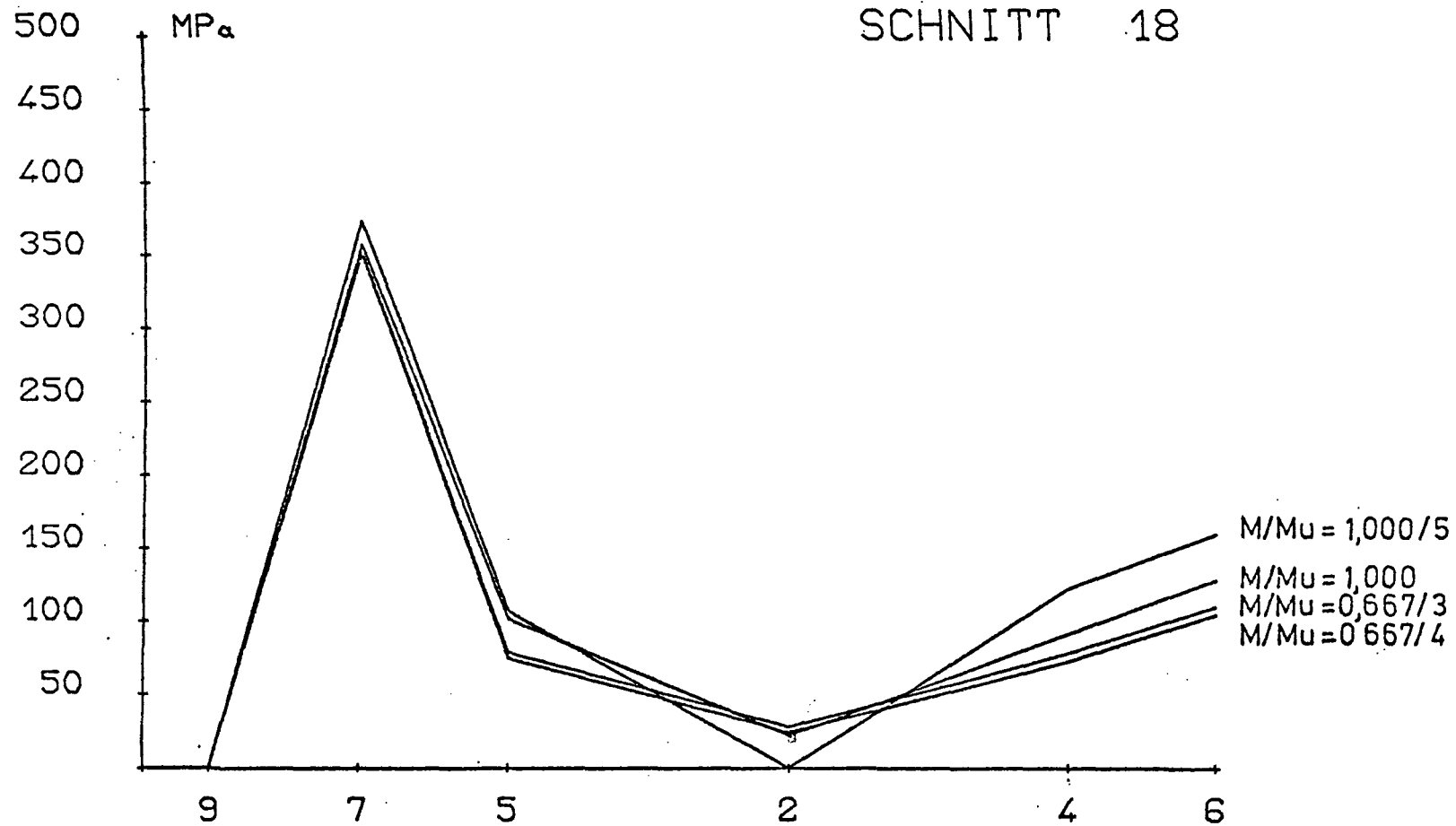
SCHNITT 16



$M/M_u = 0,667/4$
 $M/M_u = 1,000$



SCHNITT 18



F

Betonranddehnungen (Tabellenform)

VERSUCHSBALKEN SETMQ 2 GEPRUEFT AM 25. 6. 1979

ERMittelTE BETONLAENGsDEHNUNGEN IN PROMILLE

BELASTUNGSGRAD M/MU

QUERSCHNITT MESSTELLE 0.000 0.335 0.584 0.584 0.708 0.792 0.916 1.000 1.000 0.667 0.667 0.000 0.167
1 1 1 1

7	1	0.350	0.370	0.395	0.415	0.376	0.405	0.380	0.335	0.315	0.425	0.430	0.410	0.365
11	4	0.465	0.495	0.510	0.465	0.455	0.550	0.555	0.605	0.615	0.640	0.675	0.710	0.660
13	7	0.410	0.410	0.435	0.365	0.300	0.325	0.275	0.235	0.305	0.340	0.445	0.460	0.480
15	10	0.385	0.365	0.376	0.340	0.315	0.215	0.230	0.195	0.215	0.345	0.425	0.445	0.425
18	13	0.330	0.340	0.376	0.350	0.335	0.340	0.200	0.100	0.085	0.130	0.175	0.310	0.265
7	16	-0.050	0.140	0.555	0.350	0.445	0.565	0.700	0.840	0.855	0.635	0.640	0.130	0.080
11	19	0.380	0.475	0.570	0.560	0.640	0.735	0.810	0.876	0.910	0.805	0.815	0.515	0.530
13	22	0.465	0.490	0.505	0.485	0.475	0.485	0.465	0.420	0.360	0.410	0.425	0.495	0.505
3	25	0.450	0.520	0.485	0.470	0.480	0.540	0.570	0.505	0.525	0.570	0.580	0.530	0.535
5	28	0.345	0.376	0.440	0.380	0.395	0.415	0.385	0.320	0.290	0.410	0.435	0.420	0.405
7	31	0.385	0.445	0.455	0.440	0.440	0.435	0.415	0.376	0.376	0.480	0.490	0.465	0.440
9	34	0.485	0.501	0.540	0.520	0.535	0.520	0.415	0.320	0.205	0.376	0.425	0.475	0.440
18	37	0.420	0.435	0.435	0.390	0.355	0.310	0.260	0.126	0.095	0.165	0.210	0.315	0.295

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE BETONLAENGSDEHNUNGEN IN PROMILLE

BELASTUNGSGRAD M/MU

SCHNITT MESSTELLE 0.333 0.667 0.833 0.916 1.000 1.000
2 2 1 3 5

7	1	0.405	0.445	0.400	0.300	0.285	0.376
11	4	0.660	0.675	0.705	0.700	0.655	0.620
13	7	0.475	0.535	0.580	0.595	0.626	0.635
15	10	0.450	0.470	0.395	0.320	0.260	0.190
18	13	0.260	0.235	0.160	0.095	0.050	0.020
7	16	0.260	0.575	0.775	0.895	1.001	1.060
11	19	0.626	0.810	0.865	0.990	1.065	1.135
13	22	0.495	0.440	0.360	0.335	0.290	0.015
3	25	0.515	0.670	0.605	0.565	0.645	0.565
5	28	0.425	0.525	0.420	0.385	0.330	0.335
7	31	0.485	0.565	0.525	0.210	-0.040	-0.345
9	34	0.505	0.555	0.475	0.410	0.280	0.230
18	37	0.260	0.255	0.180	0.170	0.095	0.105

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERMITTELTE BETONQUERDEHNUNGEN IN PROMILLE

BELASTUNGSGRAD M/MU

SCHNITT MESSTELLE 0.000 0.335 0.584 0.584 0.708 0.792 0.916 1.000 1.000 0.667 0.667 0.000 0.167
1 1 1 1

7	3	0.100	0.050	0.035	0.015	0.035	0.055	0.105	0.085	0.075	0.010	0.055	0.040	-0.015
11	6	0.265	0.005	0.126	-0.120	-0.150	-0.215	-0.320	-0.355	-0.290	-0.195	-0.090	-0.020	-0.075
13	9	0.015	-0.070	-0.095	-0.180	-0.275	-0.385	-0.680	-0.850	-0.795	-0.640	-0.480	-0.325	-0.365
15	12	0.010	-0.060	0.150	-0.100	-0.080	-0.360	-0.610	-0.835	-0.790	-0.590	-0.495	1.640	-0.245
18	15	0.010	-0.010	-0.070	-0.095	-0.205	-0.230	-0.395	-0.475	-0.555	-0.445	-0.415	-0.150	-0.210
7	18	0.075	0.040	0.040	-0.020	-0.030	0.000	-0.040	-0.060	-0.050	-0.020	0.000	0.050	0.045
11	21	-0.135	-0.075	0.005	0.015	0.045	0.080	0.090	0.090	0.110	0.085	0.070	0.005	-0.055
13	24	-0.020	-0.010	-0.025	-0.045	-0.070	-0.070	-0.110	-0.150	-0.160	-0.145	-0.135	-0.120	-0.135
3	27	0.015	-0.005	0.010	0.005	-0.035	-0.020	-0.020	0.020	0.010	-0.010	0.005	0.005	-0.065
5	30	-0.055	-0.035	-0.030	-0.075	-0.075	-0.055	-0.040	-0.065	-0.050	-0.025	0.015	-0.005	-0.070
7	33	-0.045	-0.065	-0.040	-0.065	-0.095	-0.095	0.010	0.010	-0.025	-0.040	-0.020	-0.010	-0.085
9	36	-0.025	-0.025	-0.050	-0.025	-0.045	-0.025	-0.050	-0.100	-0.040	-0.035	-0.035	-0.065	-0.080
15	39	-0.070	-0.045	-0.145	-0.175	-0.205	-0.270	-0.280	-0.420	-0.470	-0.370	-0.370	-0.220	-0.240

ERSUCHSBALKEN SETM02 GEPRUEFT AM 25. 6. 1979

ERMITTELTE BETONQUERDEHNUNGEN IN PROMILLE

BELASTUNGSGRAD M/MU

UNIT MESSTELLE 0.333 0.667 0.833 0.916 1.000 1.000
2 2 1 3 5

7	3	-0.080	0.035	0.015	-0.955	-1.390	-1.610
11	6	-0.060	-0.055	-0.160	-0.200	-0.300	-0.480
13	9	-0.375	-0.510	-0.580	-0.605	-0.690	-0.735
15	12	-0.295	-0.430	-0.475	-0.535	-0.570	-0.605
18	15	-0.315	-0.415	-0.510	-0.560	-0.625	-0.655
7	18	-0.015	0.015	-0.025	0.040	0.055	0.060
11	21	-0.020	-0.080	-0.055	-0.080	-0.130	-0.185
13	24	-0.150	-0.190	-0.345	-0.535	-1.015	-1.240
3	27	-0.040	0.150	0.025	0.010	0.020	-0.040
5	30	-0.065	-0.070	-0.025	-0.010	-0.040	0.000
7	33	-0.100	-0.090	-0.415	-0.735	-0.975	-1.560
9	36	-0.085	-0.095	-0.145	-0.135	0.085	0.085
18	39	-0.265	-0.295	-0.360	-0.495	-0.475	-0.475

VERSUCHSBALKEN SETMQ2 GEPRUEFT AM 25. 6. 1979

ERNITTELTE BETONTRAJEKTORIENDEHNUNG IN PROMILLE

BELASTUNGSGRAD M/MU

SCHNITT MESSTELLE 0.000 0.335 0.584 0.584 0.708 0.792 0.916 1.000 1.000 0.667 0.667 0.000 0.167
1 1 1 1

7	2	0.145	0.210	0.245	0.175	0.180	0.215	0.215	0.175	0.251	0.310	0.355	0.190	0.175
11	5	0.225	0.100	0.005	-0.095	-0.195	-0.505	-0.700	-1.390	-1.115	-0.680	-0.370	-0.105	-0.125
13	8	0.295	0.150	-0.015	-0.110	-0.400	-2.195	-1.065	-1.300	-1.290	-0.960	-0.645	-0.200	-0.105
15	11	0.285	0.175	0.095	-0.010	-0.150	-0.520	-0.855	-1.185	-1.060	-0.645	-0.405	-0.095	-0.120
18	14	0.180	0.215	0.290	0.325	0.310	0.350	0.320	0.410	0.435	0.320	0.350	0.120	0.070
7	17	-0.015	0.085	0.835	0.155	0.200	0.290	0.350	0.405	0.485	0.410	0.470	0.070	0.050
11	20	0.160	0.240	0.315	0.300	0.350	0.420	0.485	0.535	0.670	0.575	0.725	0.320	0.245
13	23	0.225	0.230	0.230	0.230	0.251	0.215	0.185	0.190	0.235	0.270	0.390	0.235	0.215
3	26	0.060	0.065	0.000	-0.035	-0.070	-0.035	-0.065	-0.080	0.050	0.030	0.090	0.075	0.075
5	29	0.205	0.220	0.245	0.160	0.185	0.265	0.225	0.135	0.235	0.240	0.455	0.165	0.190
7	32	0.240	0.290	0.230	0.185	0.315	0.235	0.255	0.200	0.285	0.270	0.415	0.225	0.195
9	35	-0.040	0.010	-0.010	-0.020	-0.040	0.005	-0.035	-0.065	0.005	0.055	0.165	-0.005	-0.035
18	38	0.165	0.265	0.345	0.325	0.335	0.365	0.460	0.540	0.520	0.450	0.480	0.220	0.190

VERSUCHSBALKEN SETM02 GEPRUEFT AM 25. 6. 1979

ERMITTELTE BETONTRAJEKTORIENDEHNUNG IN PROMILLE

RELASTUNGSGRAD M/MU

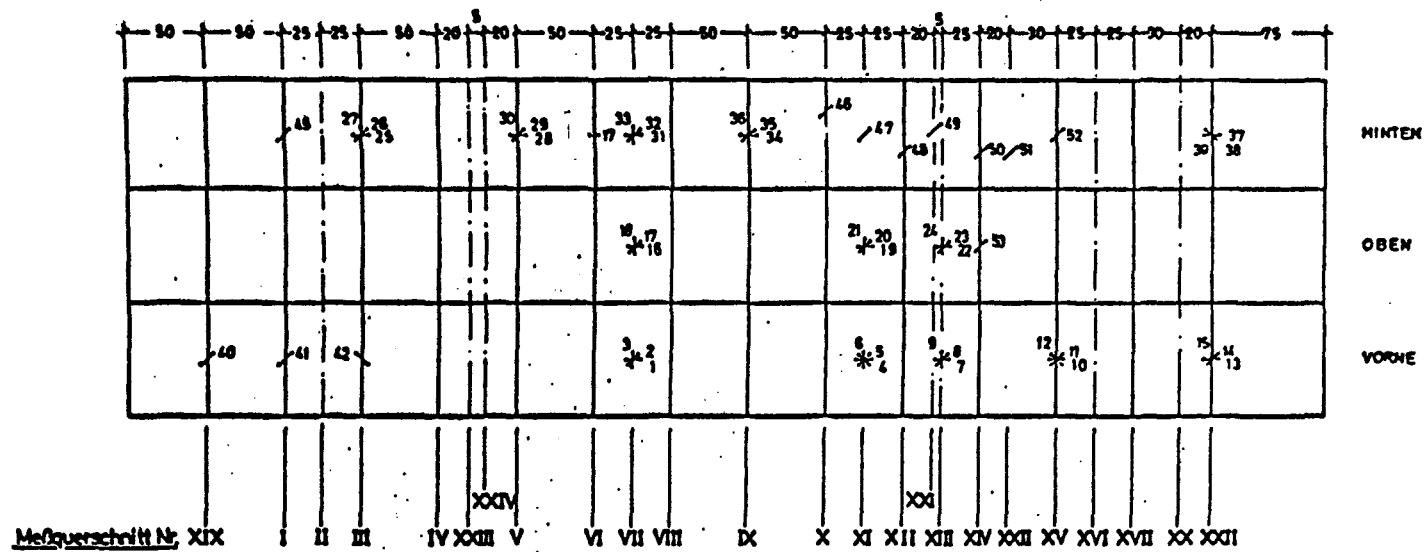
QUERSCHNITT MESSTELLE 0.333 0.667 0.833 0.916 1.000 1.000
2 2 1 3 5

7	2	0.205	0.320	0.340	0.530	0.610	0.730
11	5	-0.165	-0.250	-0.155	-0.135	-0.090	0.050
13	8	-0.250	-0.470	-0.575	-0.615	-0.640	-0.615
15	11	-0.170	-0.175	-0.215	-0.220	-0.300	-0.190
18	14	0.270	0.340	0.410	0.400	0.520	0.475
7	17	0.195	0.440	0.615	0.830	1.095	1.235
11	20	0.410	0.695	0.850	0.995	1.160	1.340
13	23	0.285	0.365	0.425	0.520	0.665	0.870
3	26	0.090	0.170	0.165	0.310	0.280	0.290
5	29	0.260	0.376	0.395	0.485	0.615	0.780
7	32	0.265	0.435	0.430	0.505	0.525	0.645
9	35	0.040	0.170	0.170	0.185	0.275	0.355
18	38	0.305	0.430	0.485	0.501	0.505	0.510

G

Betonranddehnungen (graphische Form)

Betondehnung in Längsrichtung des Versuchsbalkens SETMQ 2



MESZSTELLENUMMER

1

4

7

10

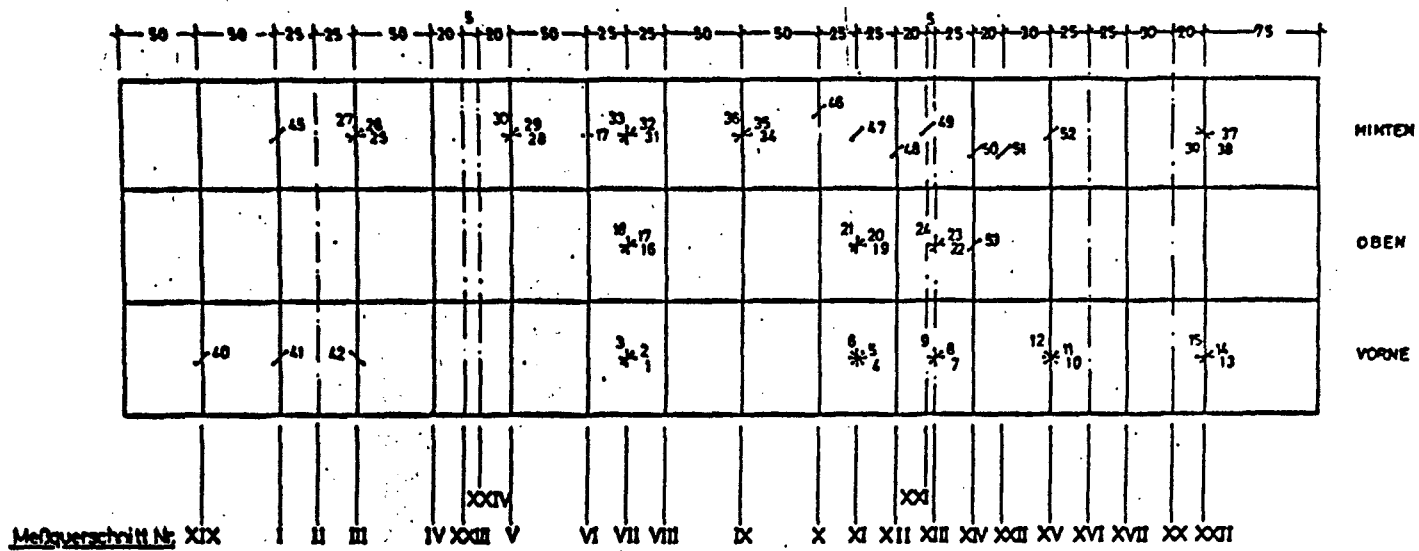
13

ϵ/μ

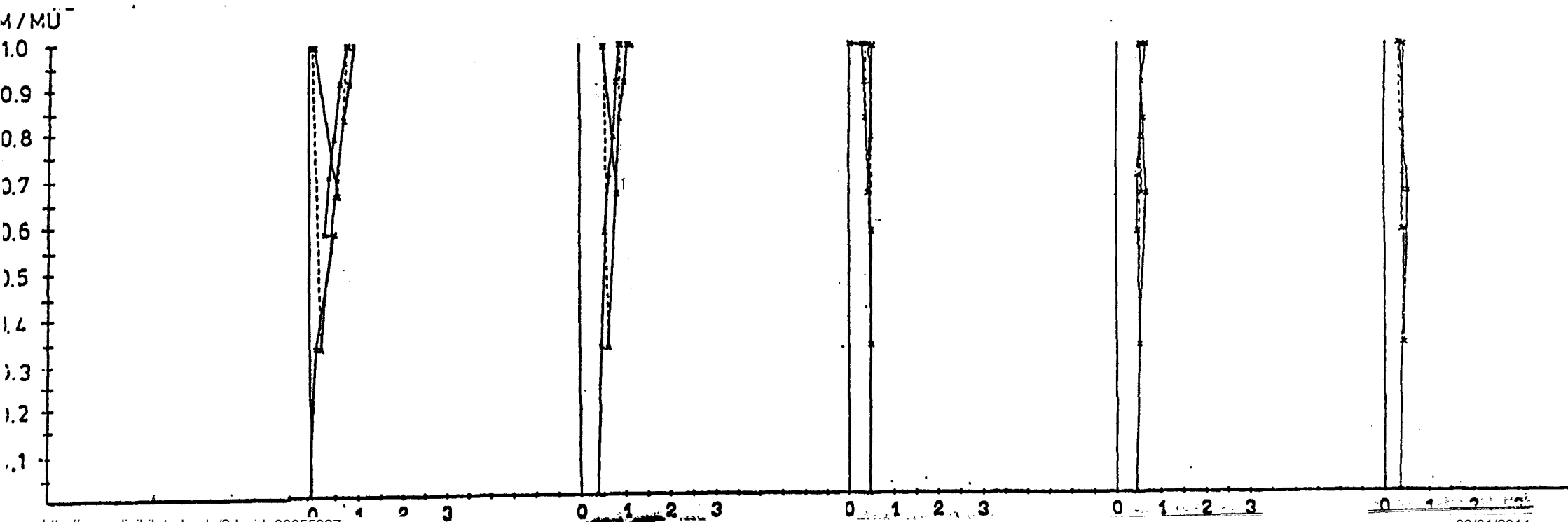
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3

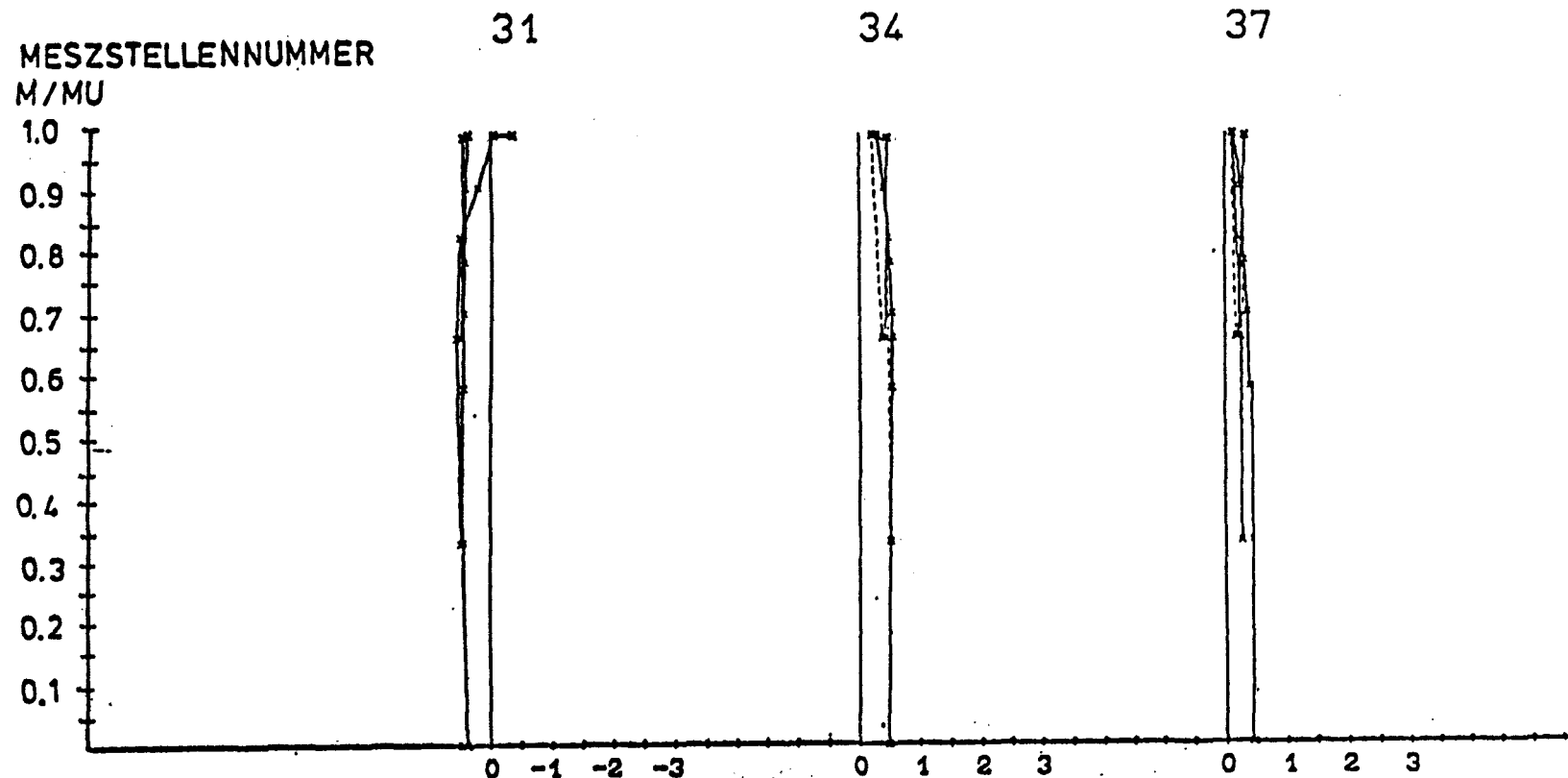
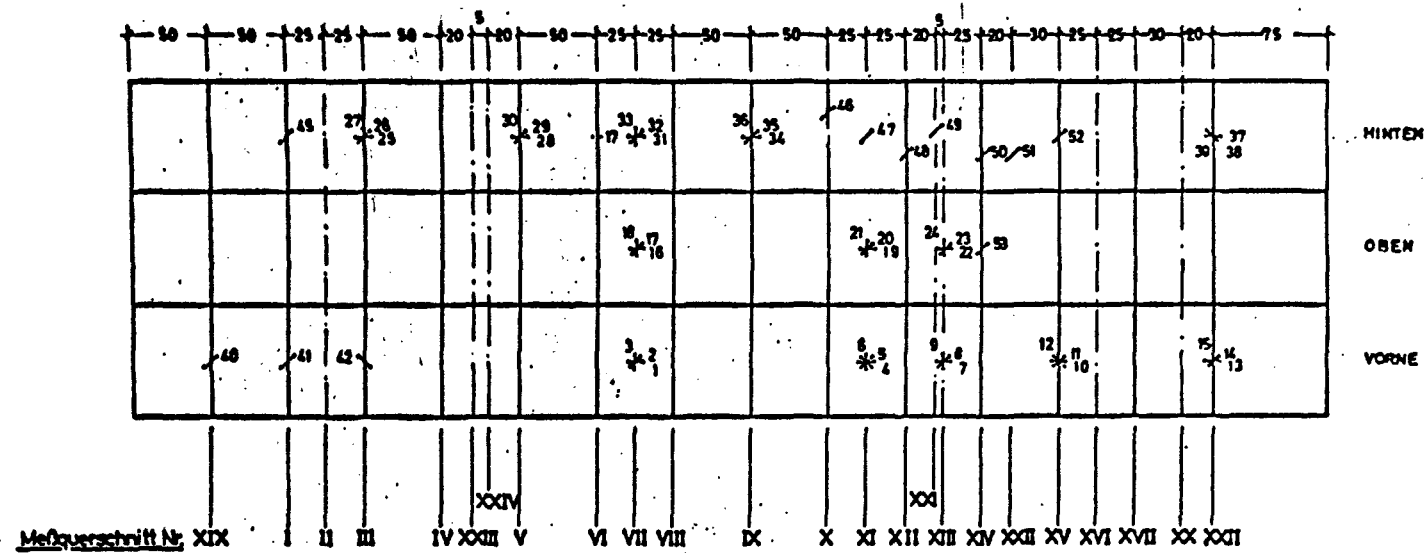
Betondehnung in Längsrichtung des Versuchsbalkens SETMQ 2



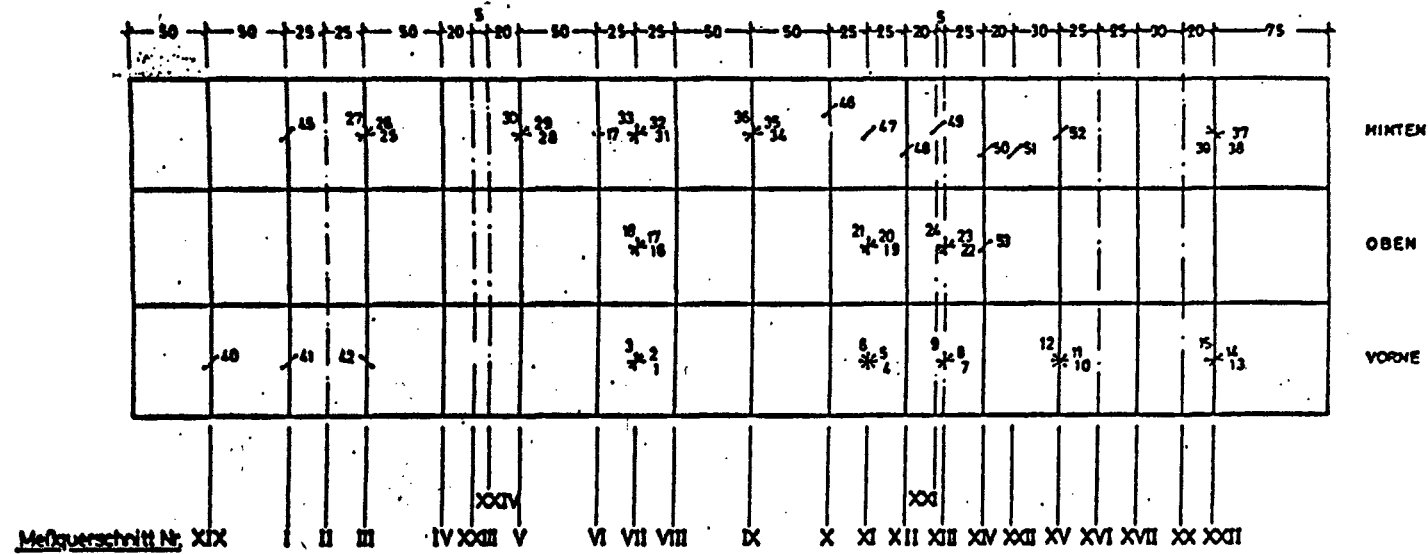
MESZSTELLENNUMMER 16 19 22 25 28



Betondehnung in Längsrichtung des Versuchsbalkens SETMQ 2



Betondehnung in Trajektorienrichtung des Versuchsbalkens SETMQ 2



MESSSTELLENNUMMER

2

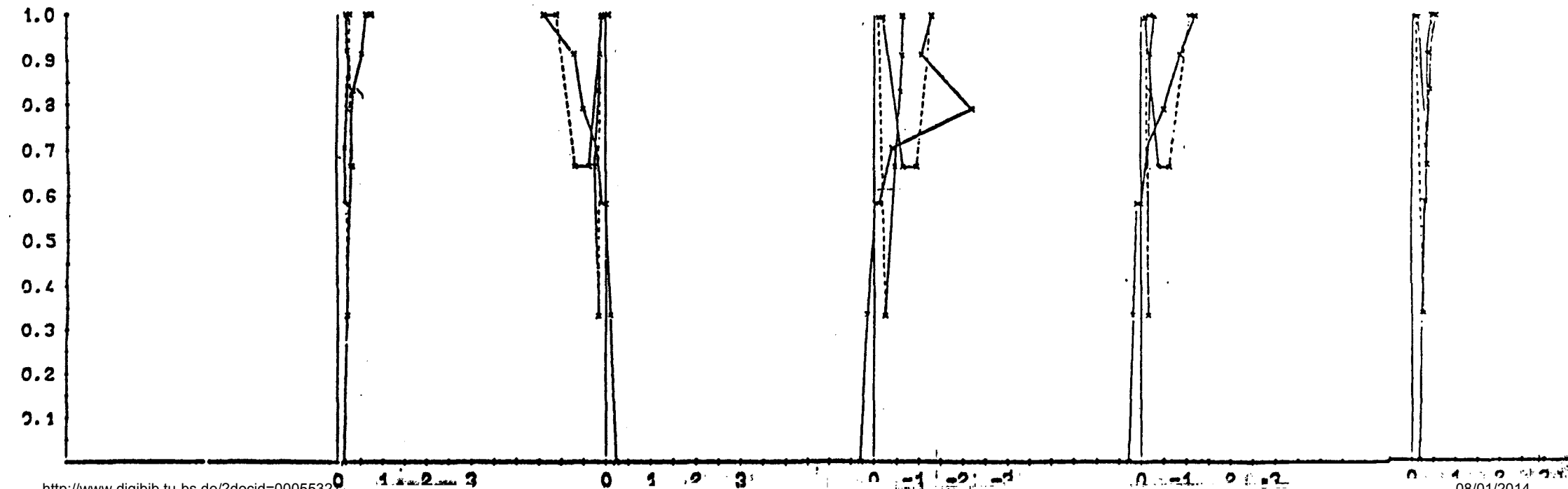
5

7

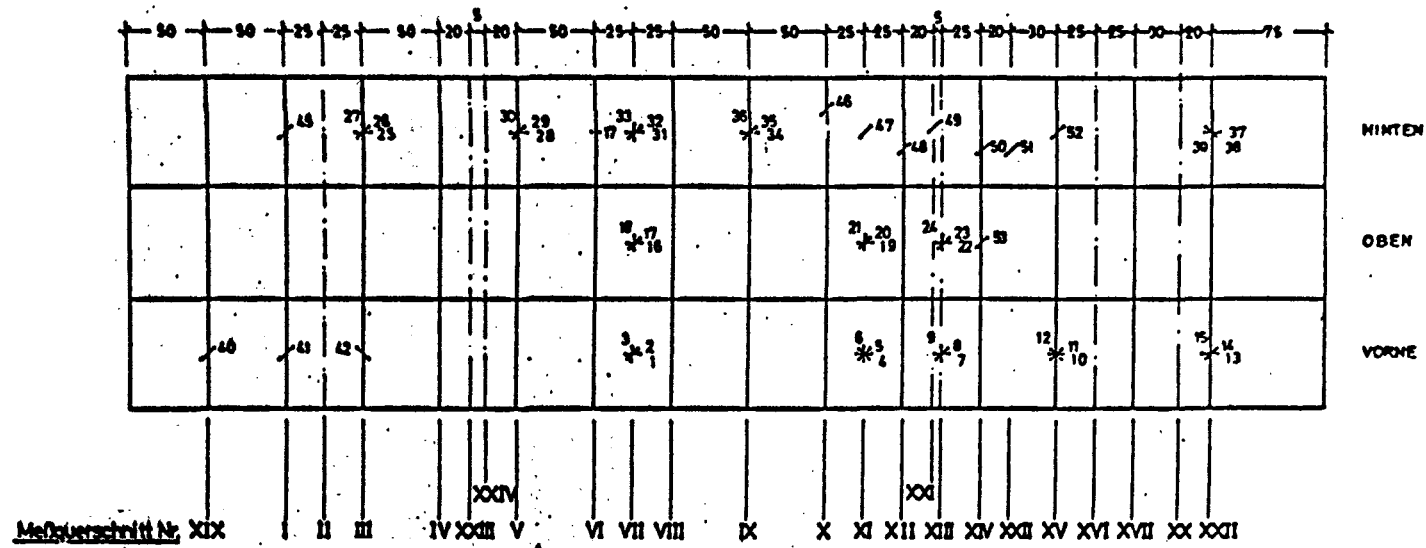
11

14

μ/μ_0



Betondehnung in Trajektorienrichtung des Versuchsbalken: SE T M Q · 2



MESZSTELLENNUMMER

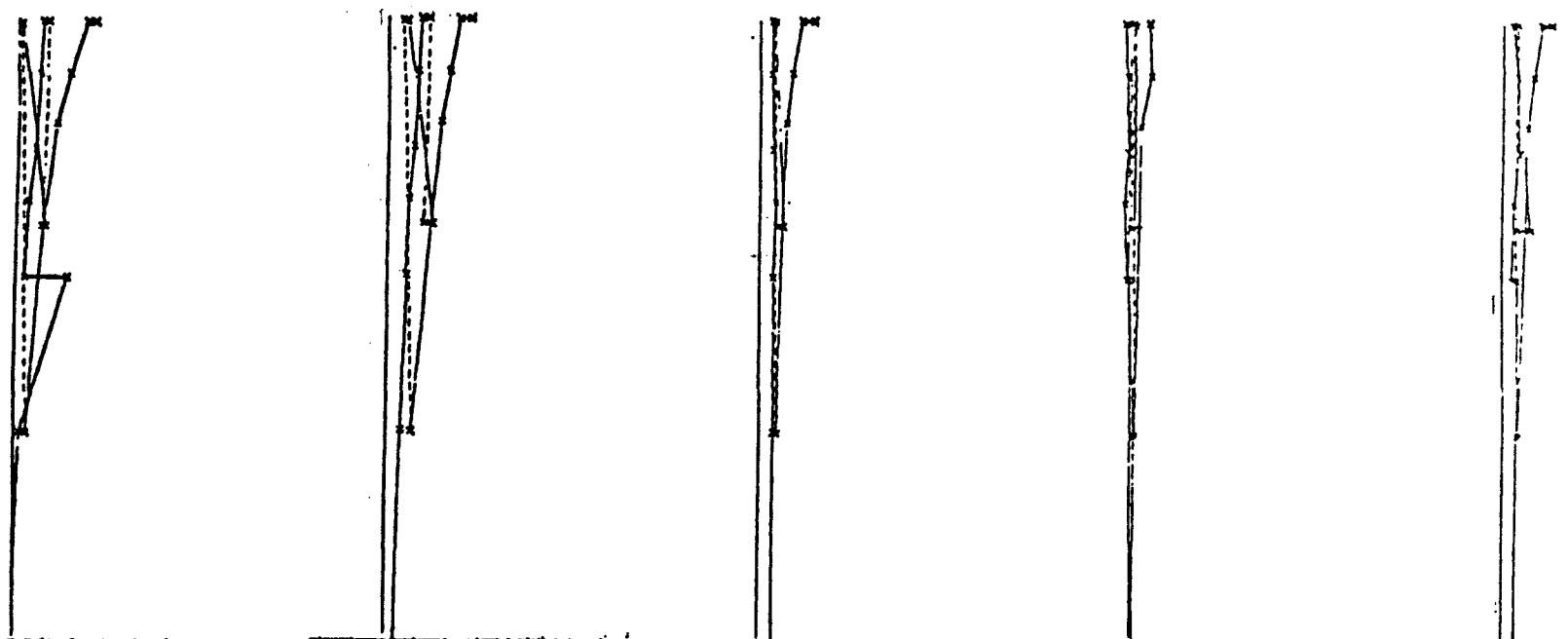
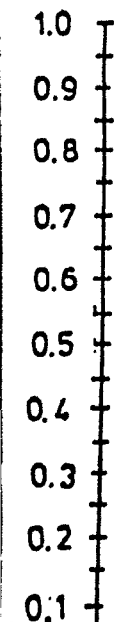
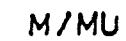


20

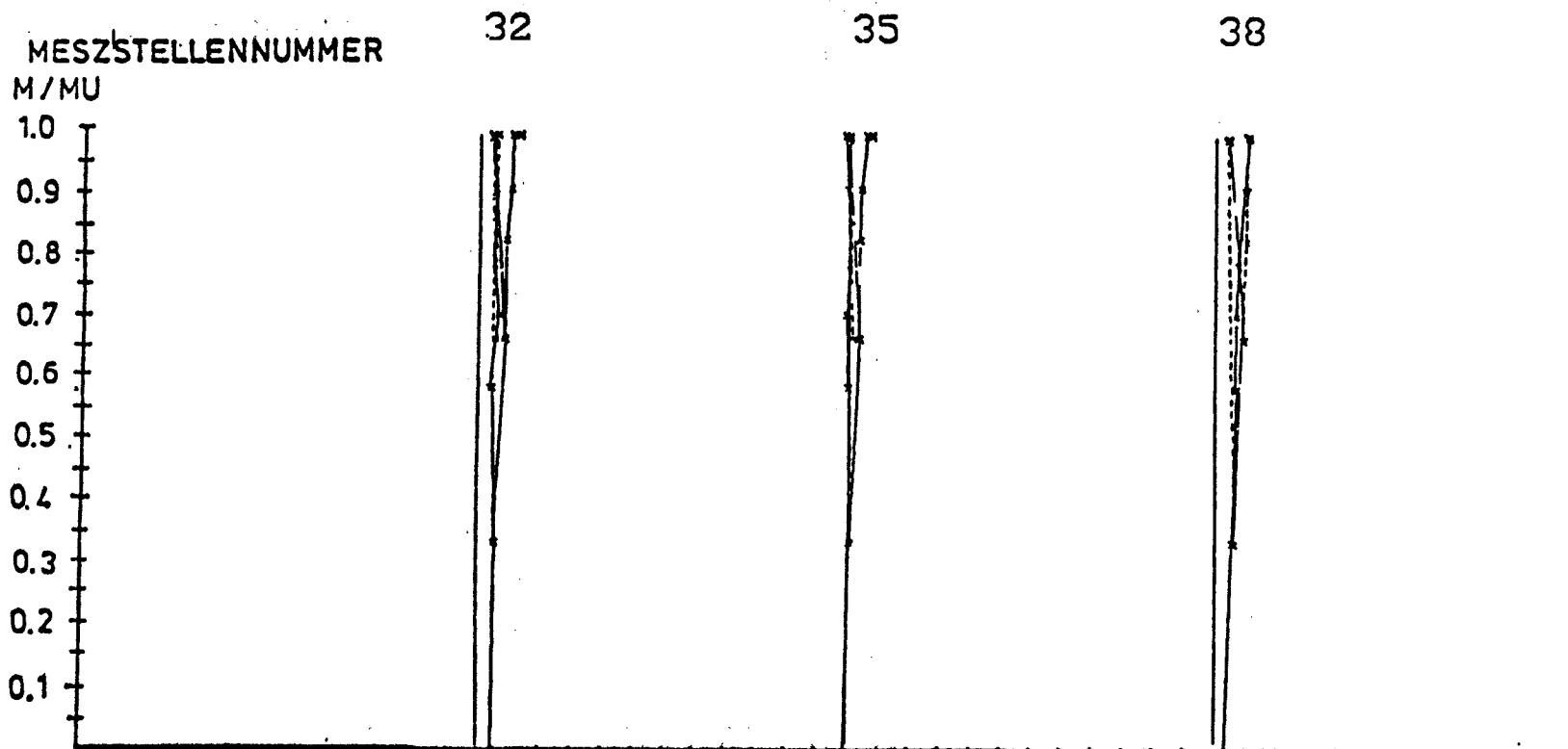
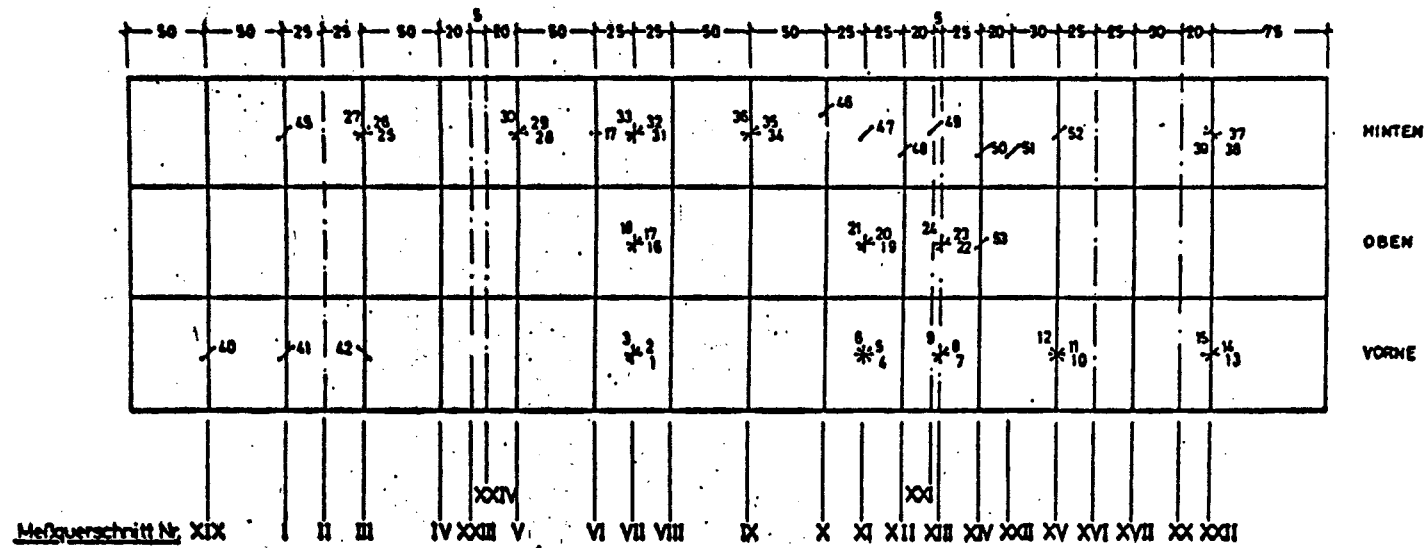
23

26

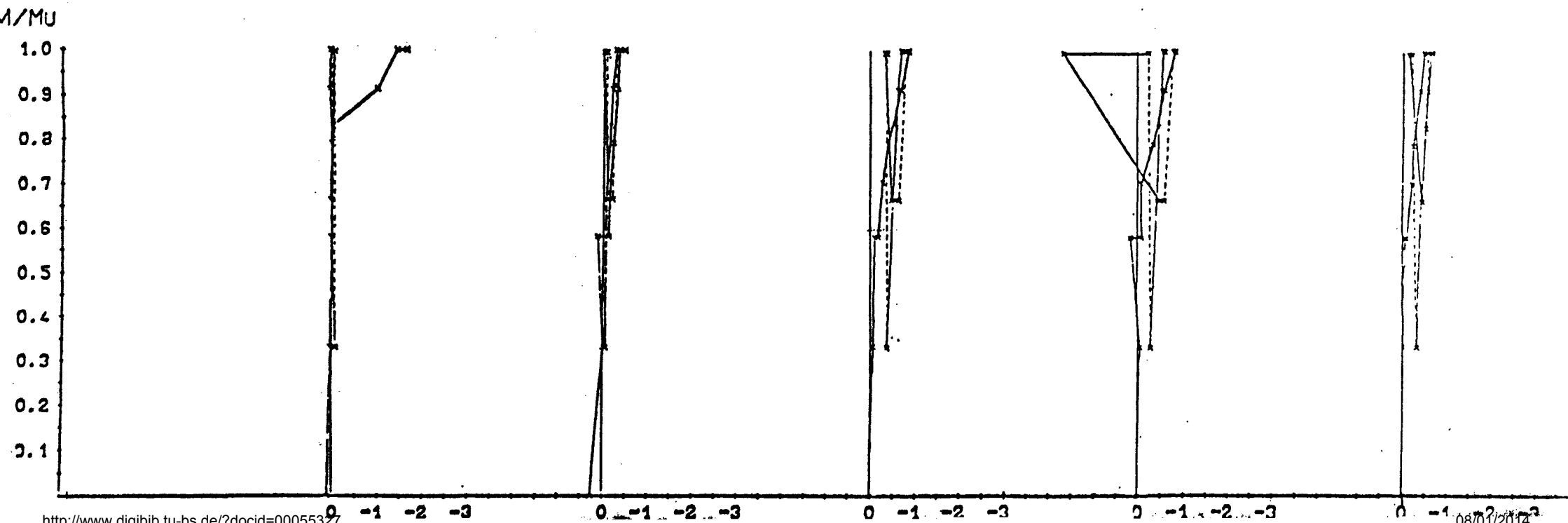
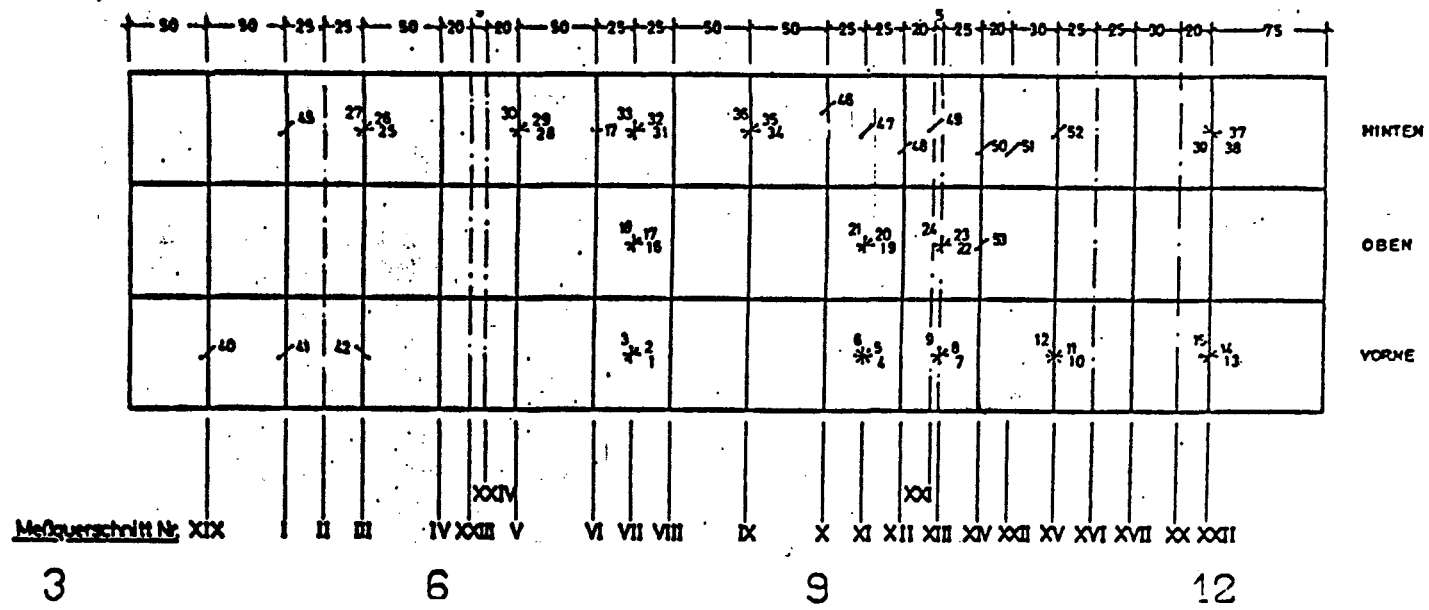
23



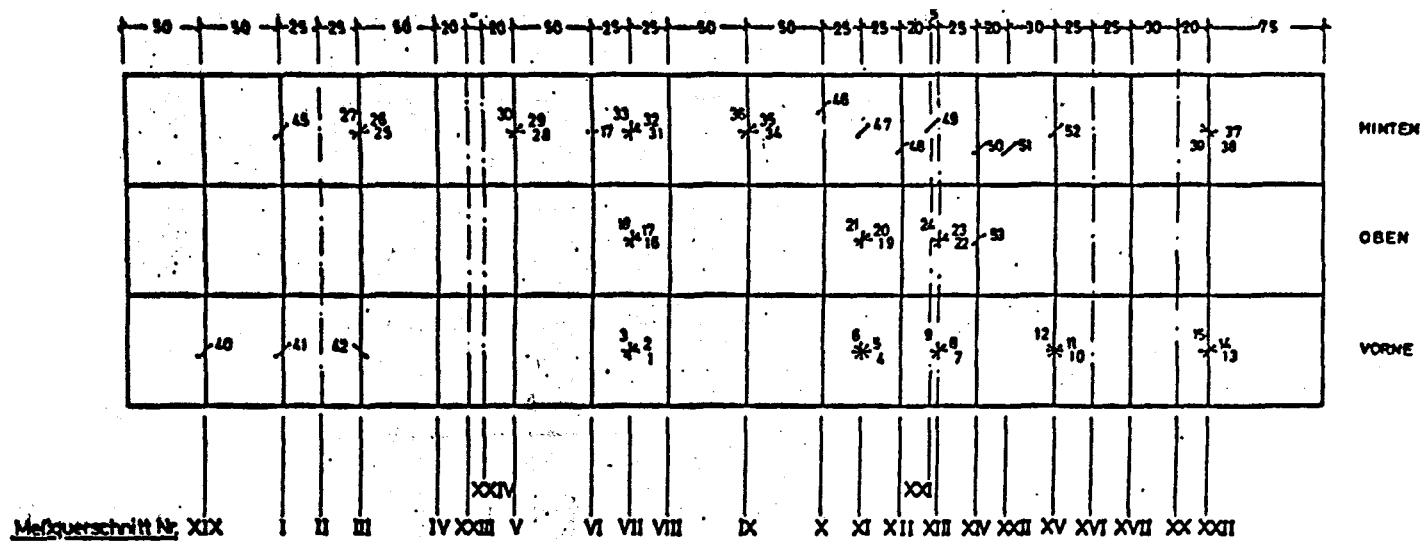
Betondehnung in Trajektorienrichtung des Versuchsbalkens SETMQ 2



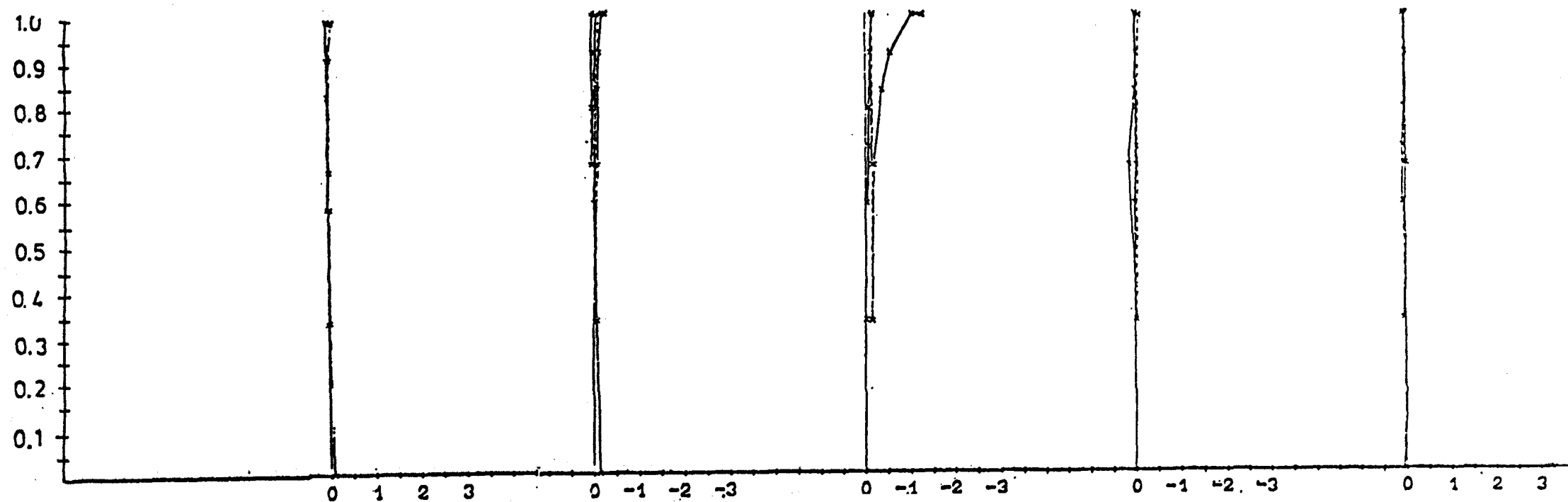
Betondehnung in Querrichtung des Versuchsbalkens SETMQ 2



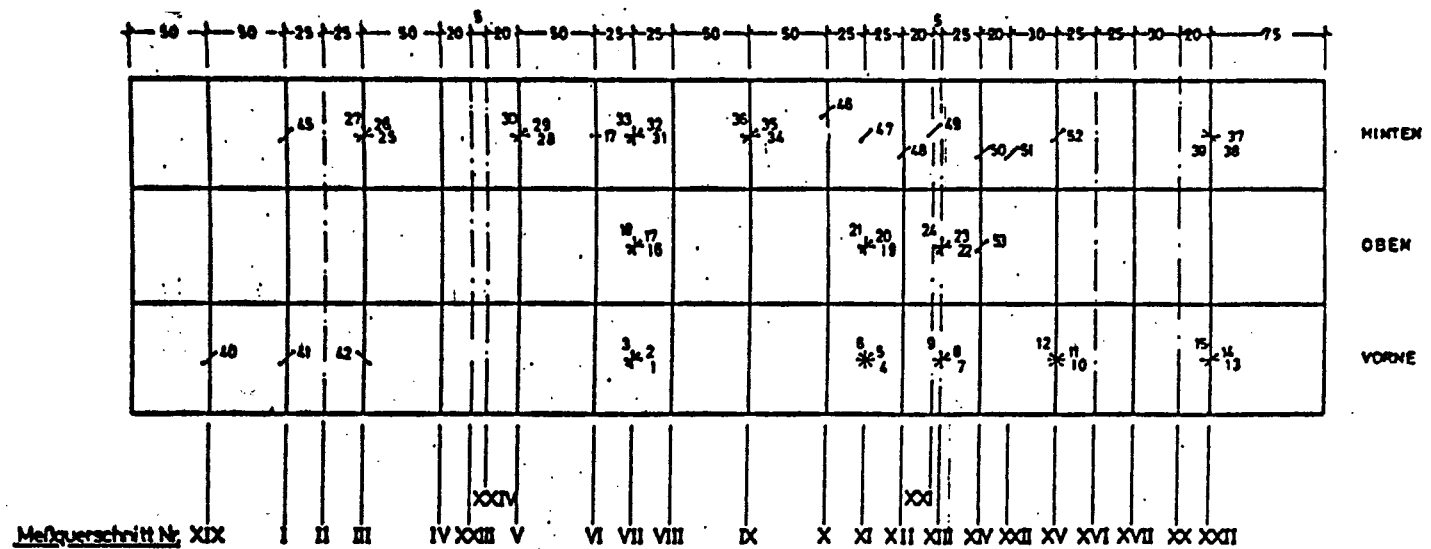
Betondehnung in Querrichtung des Versuchsbalkens SETMQ 2



MESZSTELLENNUMMER
M/MU



Betondehnung in Querrichtung des Versuchsbalkens SETMQ 2



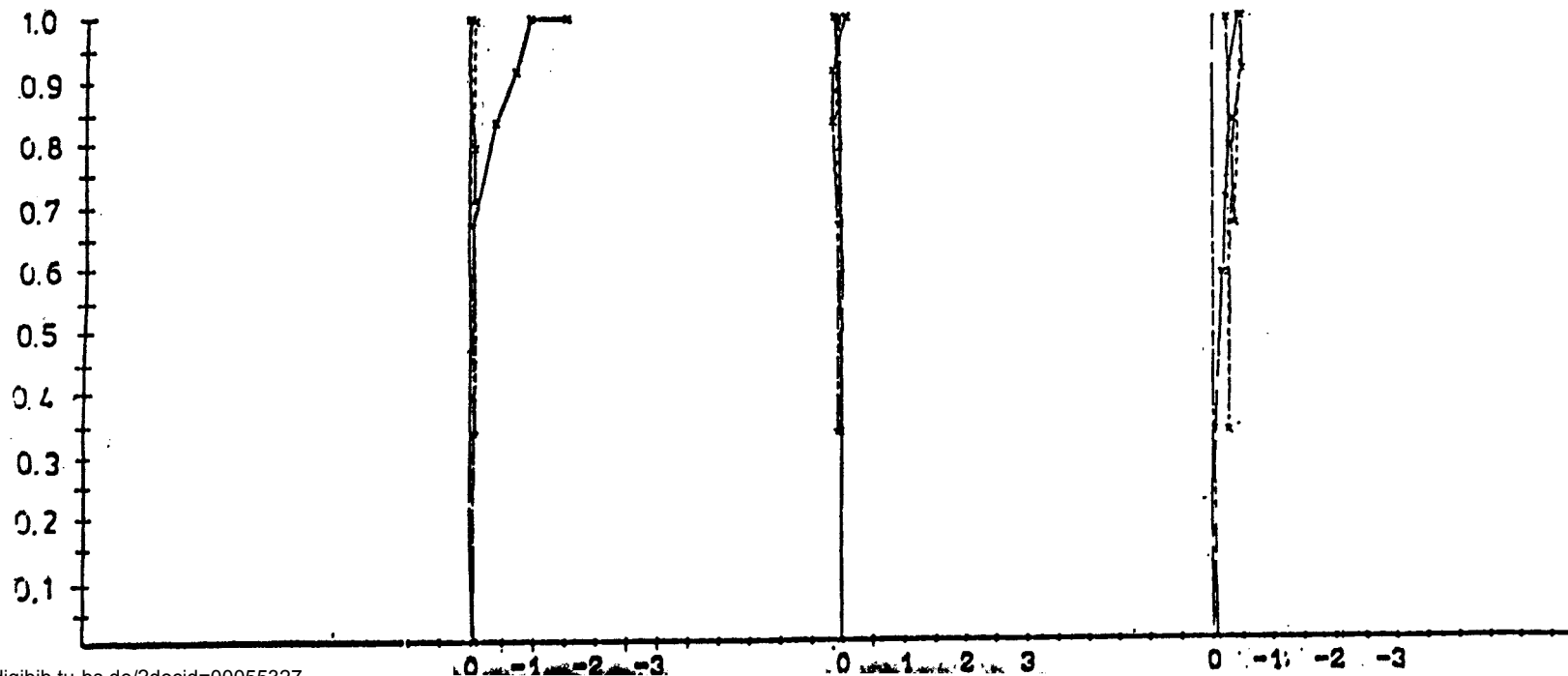
33

36

39

MESZSTELLENNUMMER

M/MU



H Betonhauptdehnungen

VERSUCHSHALKEN SETMO2 GEPRUEFT AM 25. 6. 1979

HAUPTDEHNUNGEN DES BETONS

1. ZEILE = EPSILON MAX IN PROFILLE

2. ZEILE = EPSILON MIN IN PROFILLE

3. ZEILE = WINKEL ZWISCHEN EPSILON MIN UND DER LAENGSSACHSE

BELASTUNGSGRAD M/MU

SCHNITT	LAGE	0.000	0.335	0.584	0.584	0.708	0.792	0.916	1.000	1.000	0.667	0.667	0.000	0.167
3	HINTEN	0.510	0.583	0.591	0.596	0.612	0.667	0.725	0.682	0.605	0.663	0.644	0.593	0.575
		-0.045	-0.068	-0.096	-0.121	-0.167	-0.147	-0.175	-0.157	-0.070	-0.103	-0.059	-0.058	-0.105
		70.791	71.873	66.909	65.236	65.679	66.753	65.473	62.650	69.907	69.618	72.421	71.873	75.964
5	HINTEN	0.354	0.382	0.443	0.380	0.396	0.430	0.391	0.320	0.325	0.415	0.536	0.424	0.406
		-0.064	-0.041	-0.033	-0.075	-0.076	-0.070	-0.046	-0.065	-0.085	-0.030	-0.086	-0.009	-0.071
		-81.650	-83.228	-85.170	-89.056	-86.964	-80.057	-83.061	-88.884	-72.961	-83.840	-66.199	-84.345	-87.294
7	HINTEN	0.396	0.464	0.456	0.440	0.476	0.443	0.419	0.376	0.404	0.485	0.547	0.465	0.441
		-0.056	-0.084	-0.041	-0.065	-0.131	-0.103	0.006	0.010	-0.053	-0.045	-0.077	-0.010	-0.086
		-80.983	-79.294	-87.403	-89.716	-75.978	-83.109	-84.074	-88.905	-75.680	-84.557	-72.391	-89.698	-88.093
9	HINTEN	0.601	0.586	0.635	0.629	0.652	0.612	0.501	0.383	0.227	0.406	0.427	0.547	0.517
		-0.141	-0.110	-0.145	-0.134	-0.162	-0.117	-0.136	-0.163	-0.062	-0.065	-0.037	-0.137	-0.157
		66.682	69.539	69.580	67.765	67.749	69.167	68.455	70.097	73.840	75.331	86.284	71.063	70.206
18	HINTEN	0.420	0.445	0.497	0.464	0.457	0.471	0.532	0.592	0.574	0.511	0.551	0.366	0.340
		-0.070	-0.055	-0.207	-0.249	-0.307	-0.431	-0.552	-0.886	-0.949	-0.716	-0.711	-0.271	-0.285
		88.831	-81.870	-72.704	-71.203	-68.561	-65.025	-59.938	-55.836	-55.883	-57.917	-58.689	-73.592	-74.361
7	OBEN	0.081	0.140	0.893	0.350	0.445	0.565	0.701	0.840	0.862	0.651	0.673	0.135	0.084
		-0.056	0.040	-0.298	-0.020	-0.030	-0.000	-0.041	-0.060	-0.057	-0.036	-0.033	0.045	0.041
		11.875	87.145	-57.799	88.453	89.096	-89.240	-88.453	-89.045	-84.834	-81.311	-77.443	76.717	72.231
11	OBEN	0.383	0.478	0.571	0.560	0.640	0.735	0.812	0.879	0.941	0.828	0.910	0.522	0.530
		-0.138	-0.078	0.004	0.015	0.045	0.080	0.088	0.087	0.079	0.062	-0.025	-0.002	-0.055
		-85.857	-85.862	-87.220	-88.687	-89.278	-88.907	-87.224	-86.231	-79.099	-80.072	-71.412	-83.380	-89.266
13	OBEN	0.465	0.490	0.505	0.485	0.479	0.485	0.465	0.425	0.393	0.442	0.517	0.499	0.506
		-0.020	-0.010	-0.025	-0.045	-0.074	-0.070	-0.110	-0.155	-0.193	-0.177	-0.227	-0.124	-0.136
		-89.705	-88.855	-88.919	-88.919	-84.954	-89.226	-89.253	-84.539	-76.280	-76.821	-69.407	-85.609	-87.322
7	VORN	0.373	0.370	0.397	0.419	0.378	0.406	0.383	0.340	0.327	0.405	0.461	0.413	0.365
		0.077	0.050	0.033	0.011	0.033	0.054	0.102	0.080	0.063	-0.010	0.024	0.037	-0.015
		73.690	-90.000	-85.269	84.345	85.747	87.550	84.345	82.179	-77.492	-77.987	-74.518	84.643	-90.000
11	VORN	0.537	0.537	0.685	0.569	0.613	0.941	1.045	1.714	1.518	1.217	1.057	0.924	0.849
		0.193	-0.037	-0.049	-0.224	-0.308	-0.606	-0.810	-1.464	-1.193	-0.772	-0.472	-0.234	-0.264
		62.769	74.262	60.763	68.778	65.520	59.815	59.077	53.790	54.752	57.413	60.000	64.523	65.678
13	VORN	0.427	0.411	0.493	0.432	0.515	2.164	0.783	0.824	0.936	0.797	0.762	0.542	0.510
		-0.002	-0.071	-0.153	-0.247	-0.490	-2.224	-1.188	-1.439	-1.426	-1.097	-0.797	-0.407	-0.395
		-78.664	87.618	72.540	71.692	62.438	49.656	59.485	59.330	58.879	60.586	63.196	72.862	79.481
15	VORN	0.404	0.366	0.465	0.376	0.450	0.459	0.597	0.687	0.634	0.579	0.555	2.327	0.485
		-0.009	-0.061	0.061	-0.136	-0.215	-0.604	-0.977	-1.327	-1.209	-0.824	-0.625	-0.242	-0.305
		-77.492	-86.978	61.963	74.710	63.220	61.360	61.138	60.384	61.522	65.910	70.594	51.144	75.959
18	VORN	0.330	0.347	0.415	0.425	0.430	0.465	0.415	0.476	0.507	0.400	0.435	0.313	0.269
		0.010	-0.017	-0.109	-0.170	-0.300	-0.355	-0.610	-0.851	-0.977	-0.715	-0.675	-0.153	-0.214
		-88.212	-82.027	-74.218	-69.205	-68.890	-67.006	-62.736	-57.848	-57.765	-60.526	-61.057	-85.067	-84.927

ERSUCHSBALKEN SETMO2 GEPRUEFT AM 25. 6. 1979

AUPTDEHNUNGEN DES BETONS

1. ZEILE = EPSILON MAX IN PROMILLE

2. ZEILE = EPSILON MIN IN PROMILLE

3. ZEILE = WINKEL ZWISCHEN EPSILON MIN UND DER LAENGSSACHSE

BELASTUNGSGRAD N/MU

SCHNITT	LAGE	0.333	0.667	0.833	0.916	1.000	1.000
		2	2	1	3	5	
3	HINTEN	0.552	0.764	0.641	0.566	0.649	0.566
		-0.077	0.056	-0.011	0.009	0.016	-0.041
		76.004	68.645	76.325	87.682	85.232	87.403
5	HINTEN	0.438	0.560	0.495	0.545	0.650	0.802
		-0.078	-0.105	-0.100	-0.170	-0.360	-0.467
		-80.958	-76.737	-69.203	-61.789	-55.743	-52.647
7	HINTEN	0.494	0.620	0.656	0.639	0.626	0.757
		-0.109	-0.145	-0.546	-1.164	-1.641	-2.662
		-83.040	-74.454	-70.707	-60.809	-57.180	-55.410
9	HINTEN	0.550	0.560	0.475	0.414	0.317	0.368
		-0.130	-0.100	-0.145	-0.139	0.048	-0.053
		75.023	84.770	89.538	85.056	68.254	55.079
18	HINTEN	0.402	0.507	0.545	0.580	0.561	0.568
		-0.407	-0.547	-0.725	-0.905	-0.941	-0.938
		-65.243	-60.715	-57.577	-58.308	-56.149	-56.325
7	OBER	0.278	0.610	0.841	1.028	1.266	1.400
		-0.033	-0.020	-0.091	-0.093	-0.210	-0.280
		-76.099	-76.311	-74.518	-69.852	-64.918	-63.264
11	OBER	0.643	0.919	1.045	1.215	1.382	1.563
		-0.037	-0.189	-0.235	-0.305	-0.447	-0.613
		-80.836	-71.720	-67.975	-67.367	-65.394	-63.672
13	OBER	0.514	0.521	0.554	0.657	0.855	0.997
		-0.169	-0.271	-0.539	-0.857	-1.580	-2.222
		-80.385	-71.348	-65.087	-62.527	-61.209	-56.471
7	VORN	0.409	0.460	0.441	0.735	0.880	1.056
		-0.084	0.020	-0.026	-1.390	-1.985	-2.290
		-85.030	-79.341	-72.730	-63.098	-62.885	-63.199
11	VORN	0.888	0.978	0.881	0.842	0.725	0.620
		-0.288	-0.358	-0.336	-0.342	-0.370	-0.480
		63.873	61.548	67.667	69.726	75.371	88.959
13	VORN	0.570	0.724	0.817	0.851	0.864	0.838
		-0.470	-0.699	-0.817	-0.861	-0.928	-0.938
		72.391	68.640	67.624	67.263	68.631	70.242
15	VORN	0.525	0.510	0.429	0.335	0.285	0.190
		-0.370	-0.470	-0.509	-0.550	-0.595	-0.605
		73.199	78.286	79.043	82.628	80.370	88.740
18	VORN	0.386	0.449	0.499	0.480	0.588	0.544
		-0.441	-0.629	-0.849	-0.945	-1.163	-1.179
		-67.010	-63.541	-59.899	-58.687	-56.341	-56.534

Balkenverformungen

ERMITTLUNG DER VERDREHUNG
BEIM VERSUCHSBALKEN SETNO 2

VERSUCH VOM 19. JUNI 1979

WINKEL PHI (BOGENMASZ)

F	T	M/MU	T/TU	VERDREHUNG IM SCHNITT				
				XIX	IV	VI	IX	XV
(MM)	(KN)	----	----					
144.0	0.0	0.333	0.000	-0.0003455	-0.0003273	-0.0002182	-0.0002728	-0.0004546
339.5	0.0	0.583	0.000	-0.0005818	-0.0005090	-0.0003090	-0.0003819	-0.0006545
339.5	0.0	0.583	0.000	0.0022728	-0.0004183	-0.0003273	-0.0002364	-0.0005454
412.2	0.0	0.708	0.000	-0.0007817	-0.0004726	-0.0002909	-0.0002000	-0.0005818
460.7	0.0	0.792	0.000	-0.0007818	-0.0004364	-0.0003091	-0.0002728	-0.0007454
535.5	0.0	0.917	0.000	-0.0008545	-0.0004001	-0.0002546	-0.0003092	-0.0009637
582.0	0.0	1.000	0.000	-0.0009455	-0.0002910	-0.0002546	-0.0004547	-0.0011637
582.0	50.0	1.000	0.286	0.0007637	0.0010910	0.0006726	-0.0000910	-0.0024727
368.0	50.0	0.667	0.286	0.0010909	0.0011455	0.0009090	0.0004545	-0.0020910
368.0	100.0	0.667	0.571	0.0012908	0.0009273	0.0004181	-0.0003455	-0.0040545
0.0	100.0	0.000	0.571	-0.0001091	0.0000909	0.0000545	0.0001455	-0.0005636
0.0	100.0	0.000	0.571	-0.0046546	-0.0000183	-0.0001092	0.0000546	-0.0005091
144.0	50.0	0.333	0.286	0.0002727	0.0001637	-0.0000364	-0.0002000	-0.0018364
368.0	100.0	0.667	0.571	0.0014909	0.0010910	0.0006545	-0.0000547	-0.0039638
405.0	125.0	0.633	0.714	0.0038182	0.0025455	0.0017819	-0.0011637	-0.0073638
535.5	137.0	0.917	0.783	0.0066002	0.0047636	0.0020727	-0.0021273	-0.0103277
582.0	150.0	1.000	0.857	0.0106735	0.0220604	0.0032729	-0.0181829	-0.0144194
582.0	175.0	1.000	1.000	0.0152019	0.0251904	0.0044006	-0.0187464	-0.0193664
582.0	175.0	1.000	1.000	0.0165482	0.0262462	0.0051098	-0.0183828	-0.0202213

ABGABE VOM 20.6.1980

ERMITTLUNG DER DURCHBIEGUNG
BEI VERSUCHSBALKEN SETMQ 2

VERSUCH VOM 19. JUNI 1979

DURCHBIEGUNG V (MM)

M	T	M/NU	T/TU	DURCHBIEGUNG IM SCHNITT					
(KNM)	(KNM)			XIX	IV	VI	IX	XV	
188.0	0.0	0.333	0.000	1.025	2.880	3.290	2.965	1.025	
339.5	0.0	0.583	0.000	1.830	5.300	6.105	5.575	1.800	
339.5	0.0	0.583	0.000	1.186	5.997	6.891	6.316	1.990	
412.2	0.0	0.708	0.000	2.385	7.250	8.420	7.846	2.370	
461.7	0.0	0.792	0.000	2.735	8.410	9.865	9.295	2.745	
533.5	0.0	0.917	0.000	3.526	11.120	13.291	12.786	3.595	
582.0	0.0	1.000	0.000	4.281	13.781	16.731	16.336	4.470	
582.0	50.0	1.000	0.286	4.660	15.100	18.525	18.346	4.980	
388.0	50.0	0.667	0.286	3.410	10.915	13.330	13.425	3.785	
388.0	100.0	0.667	0.571	3.415	10.835	13.225	13.326	3.776	
10.0	100.0	0.000	0.571	0.730	2.605	3.175	3.390	1.005	
10.0	100.0	0.000	0.571	1.830	2.246	2.750	2.965	0.910	
150.0	50.0	0.333	0.286	1.815	5.555	6.591	6.535	2.055	
388.0	100.0	0.667	0.571	3.080	9.560	11.600	11.706	3.391	
412.2	125.0	0.833	0.714	4.293	13.151	16.380	16.330	4.509	
533.5	137.0	0.917	0.783	5.153	16.362	20.300	19.936	5.330	
582.0	150.0	1.000	0.857	6.318	15.747	26.123	20.210	6.686	
582.0	175.0	1.000	1.000	7.221	19.282	30.640	25.001	7.735	
582.0	175.0	1.000	1.000	7.430	20.102	31.670	26.173	7.993	

 MITTLUNG DER VERDREHUNG
 EIN VERSUCHSBALKEN SETNO 2

VERSUCH VOM 19. JUNI 1979

WINKEL THETA (1/CM)

				VERDREHUNG ZWISCHEN SCHNITT			
W	T	M/MD	T/TU	XIX UND IV	IV UND VI	VI UND IX	IX UND XV
(MM)	(KPM)	----	----				
94.0	0.0	0.333	0.000	-0.0000001	-0.0000011	0.0000005	0.0000010
34.5	0.0	0.583	0.000	-0.0000005	-0.0000020	0.0000007	0.0000016
34.5	0.0	0.583	0.000	0.0000179	-0.0000009	-0.0000009	0.0000018
12.2	0.0	0.708	0.000	-0.0000021	-0.0000018	-0.0000009	0.0000022
60.7	0.0	0.792	0.000	-0.0000023	-0.0000013	-0.0000004	0.0000027
33.5	0.0	0.917	0.000	-0.0000030	-0.0000015	0.0000005	0.0000037
22.0	0.0	1.000	0.000	-0.0000044	-0.0000004	0.0000020	0.0000041
22.0	50.0	1.000	0.285	-0.0000022	0.0000042	0.0000076	0.0000136
82.0	50.0	0.667	0.285	-0.0000004	0.0000024	0.0000045	0.0000145
88.0	100.0	0.667	0.571	0.0000024	0.0000051	0.0000076	0.0000212
0.0	100.0	0.000	0.571	-0.0000013	0.0000004	-0.0000009	0.0000041
0.0	100.0	0.000	0.571	-0.0000309	0.0000009	-0.0000016	0.0000032
24.0	50.0	0.333	0.285	0.0000007	0.0000020	0.0000016	0.0000094
24.0	100.0	0.667	0.571	0.0000027	0.0000044	0.0000071	0.0000223
15.0	125.0	0.833	0.714	0.0000085	0.0000076	0.0000295	0.0000354
33.5	137.0	0.917	0.783	0.0000122	0.0000269	0.0000420	0.0000469
22.0	150.0	1.000	0.857	-0.0000759	0.0001879	0.0002146	-0.0000215
22.0	175.0	1.000	1.000	-0.0000666	0.0002079	0.0002315	0.0000035
22.0	175.0	1.000	1.000	-0.0000647	0.0002114	0.0002349	0.0000105

SEITE 1 (KPM)

 ERMITTLUNG DER TORSIONSTEIFIGKEITSVERHAELTNISSE
 BEIM VERSUCHSBALKEN SEIN 2

VERSUCH VOM 19. JUNI 1979

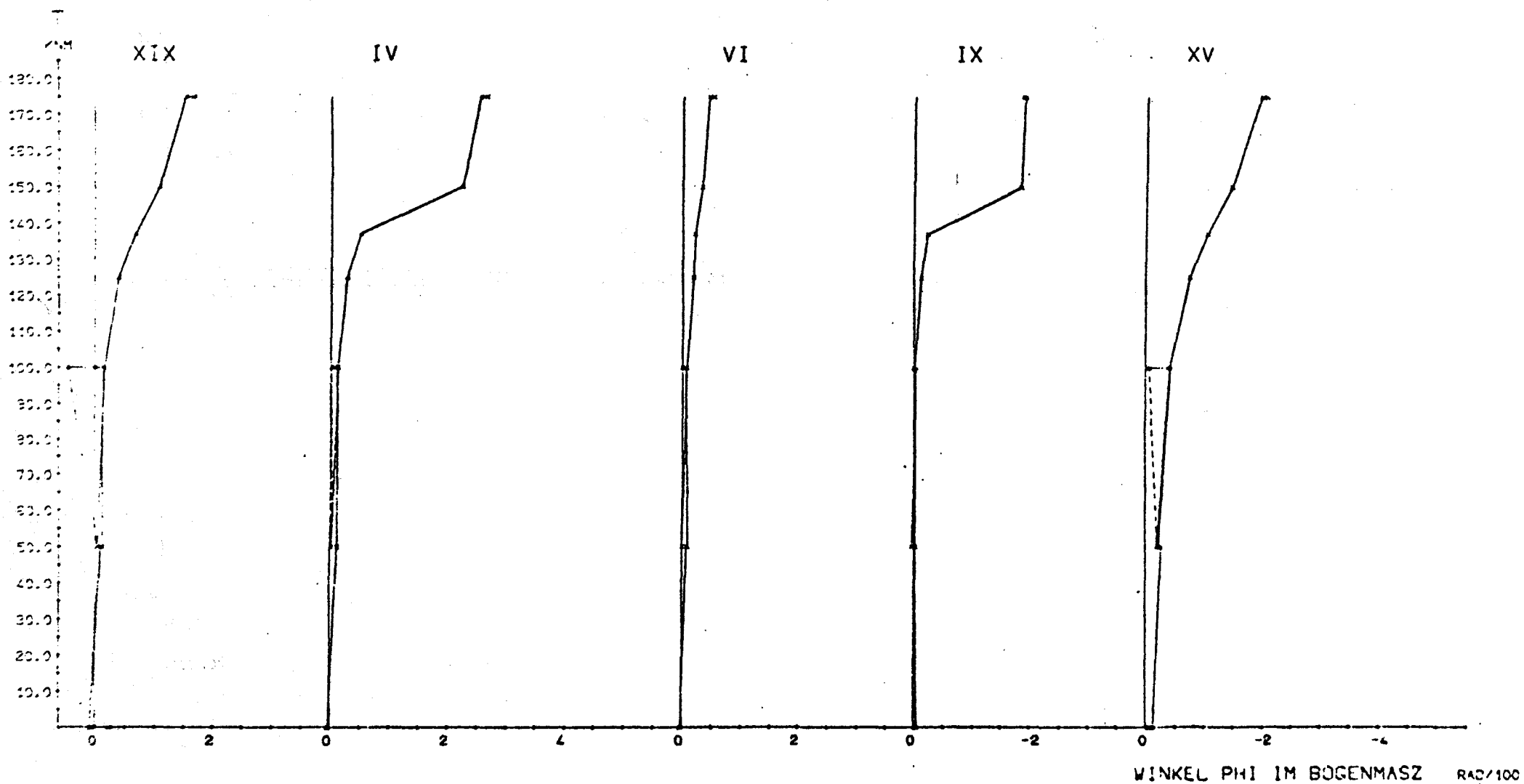
VERHAELTNIS KT/KT I

M	T	M/MU	T/TU	STEIFIGKEITSVERHAELTNIS IM BEREICH ZWISCHEN SCHNITT				
				XIX UND IV	IV UND VI	VI UND IX	IX UND XV	
(KNM)	(KNM)	----	----					
194.0	0.0	0.333	0.000	1.000	1.000	1.000	1.000	
339.5	0.0	0.583	0.000	1.000	1.000	1.000	1.000	
339.5	0.0	0.583	0.000	1.000	1.000	1.000	1.000	
412.2	0.0	0.708	0.000	1.000	1.000	1.000	1.000	
400.7	0.0	0.792	0.000	1.000	1.000	1.000	1.000	
403.5	0.0	0.917	0.000	1.000	1.000	1.000	1.000	
512.0	0.0	1.000	0.000	1.000	1.000	1.000	1.000	
562.0	50.0	1.000	0.286	-1.555	0.811	0.444	0.249	
560.0	50.0	0.667	0.286	-9.322	1.000	0.747	0.233	
368.0	100.0	0.667	0.571	1.000	1.000	0.889	0.320	
0.0	100.0	0.000	0.571	-5.090	1.000	-7.457	1.000	
0.0	100.0	0.000	0.571	-0.220	1.000	-4.142	1.000	
194.0	50.0	0.333	0.286	1.000	1.000	1.000	0.363	
368.0	100.0	0.667	0.571	1.000	1.000	0.957	0.304	
403.5	125.0	0.833	0.714	1.000	1.000	0.288	0.239	
333.5	137.0	0.717	0.783	0.759	0.345	0.221	0.198	
362.0	150.0	1.000	0.857	-0.134	0.054	0.047	-0.473	
362.0	175.0	1.000	1.000	-0.178	0.057	0.051	1.000	
362.0	175.0	1.000	1.000	-0.184	0.056	0.051	1.000	

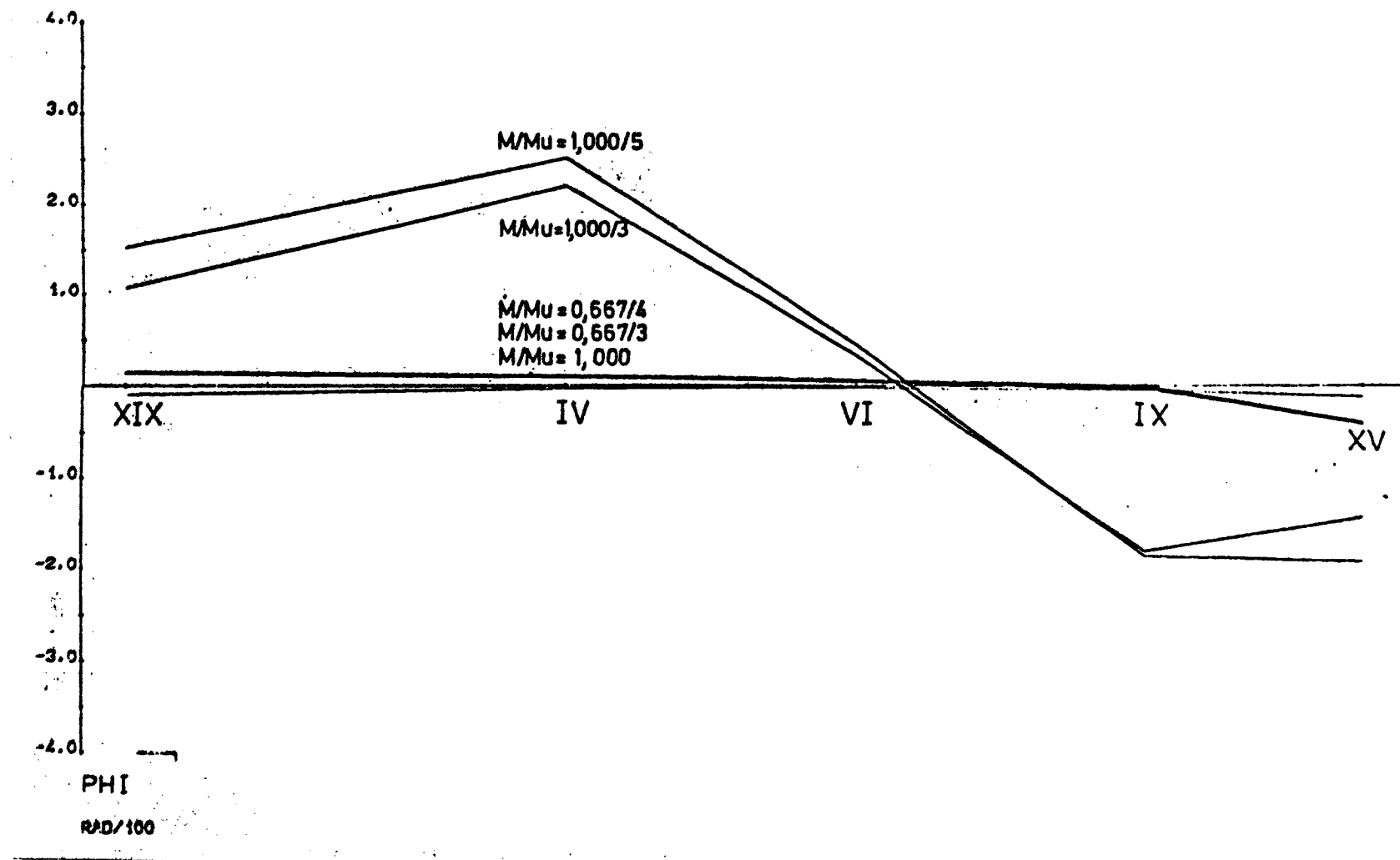
=5.2 (KNM)

17.1 = 107360.0 (KNM**2)

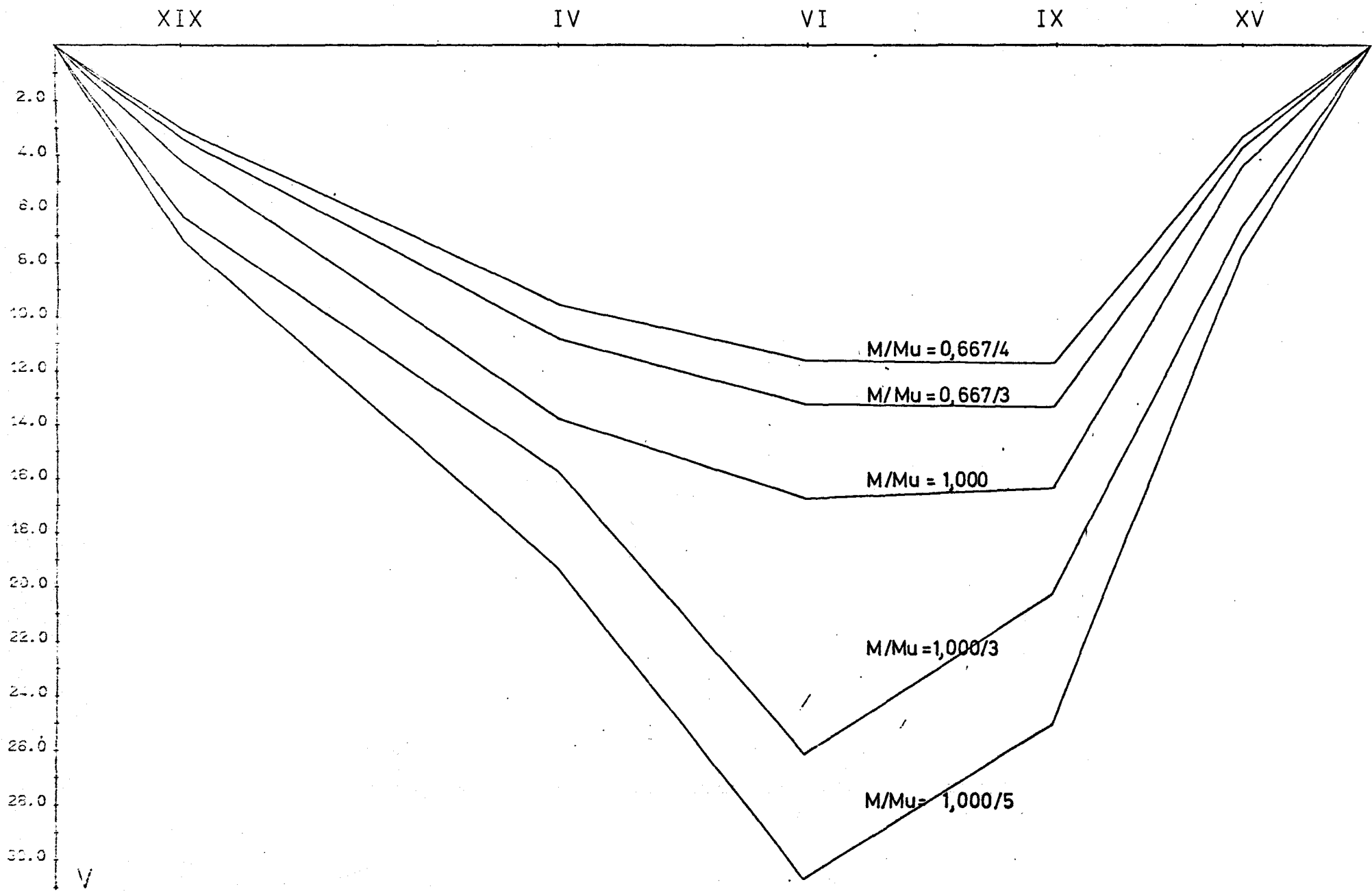
SETMQ 2 QUERSCHNITTSVERDREHUNG PHI IM SCHNITT



SETMQ 2 QUERSCHNITTVERDREHUNG PHI ENTLANG DER BALKENLAENGSSACHSE



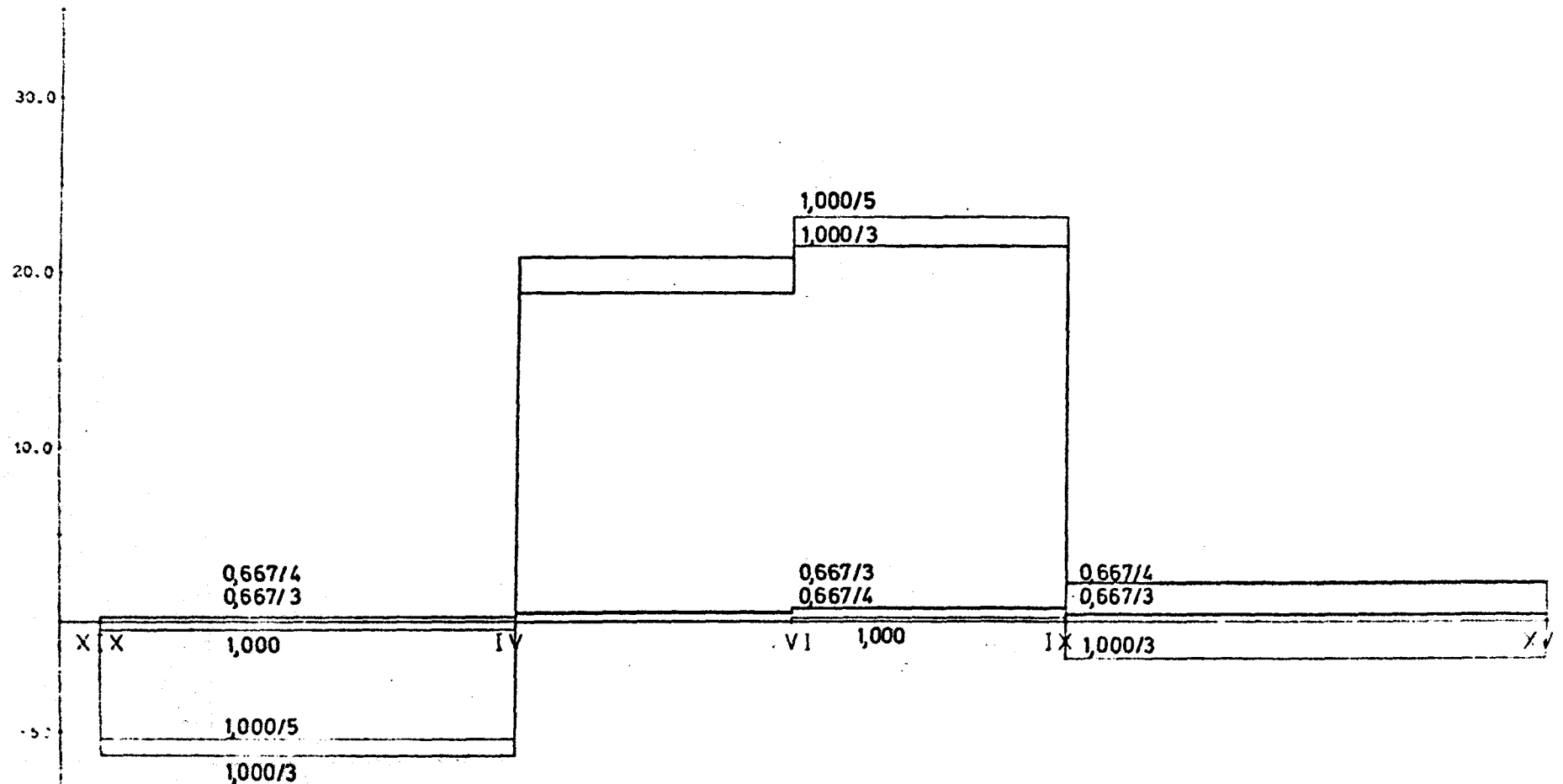
SETMQ 2 DURCHBIEGUNG V ENTLANG DER BALKENLAENGSSACHSE



SETMQ 2 BEZOGENE VERDREHUNG THETA ENTLANG DER BALKENLAENGSSACHSE

THETA

1/1000 m



SETMO 2 TORSIONSSTEIFIGKEIT IN ABHAENGIGKEIT VOM BELASTUNGSGRAD

